

SCT Test and Measurement Products



Thomas Alva Edison
1847-1931

“He led no armies into battle, he conquered no countries, and he enslaved no peoples. Nonetheless, He exerted a degree of power the magnitude of which no warrior ever dreamed. His name still commands a respect as sweeping in scope and as world-wide as that of any other mortal - a devotion rooted deep in human gratitude and untainted by the bias that is often associated with race, color, politics, and religion.”

ScichemTech –Malden, MA -02148, Massachusetts would like to dedicate this catalogue to Thomas Alva Edison the Genius who has contributed the light to the World. Could we able to imagine this world without light.

Test and Measurement is the light of all the Sciences, without this, science it will become dark.

In this special dedicated edition of ScichemTech Test & Measurement Catalog, SCT team would like to present the Test and Measurement products such as Testers / Pocket meters, Handheld / Portable Meters and the BenchTop meters of Water Testing and other essential Environmental Parameters...

We at ScichemTech, where we always thrive to grow slowly and steadily, through inventing & introducing all possible quality, new products to the “Scientific and Industrial Community” and to our valuable customers.

ScichemTech Team...

ScichemTech - SCT® TESTERS / POCKET METERS

SCT POCKET pH METER

SALIENT FEATURES:

- Reliable SCT Tester for basic & easy pH measurement.
- Ergonomic Design - Waterproof IP57 rated.
- Accurate & Fast in measurements 0.1 pH resolution.
- Removable & changeable electrode.
- Large and clear display
- Manual calibration through screw trim port 1 or 2 points.
- Battery operated.

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.001.01
MODEL	SCT-PH PEN-1
TYPE	pH
RANGE	0~14.0
ACCURACY	±0.1+1 DIGIT
RESOLUTION	0.1 pH
ATC	NO
POWER	3V X 2 LITHIUM BATTERY
DIMENSION	FOR METER 33.5 X 170 MM AND WITH BOX L(230) X H(45)X W(120) MM
WEIGHT	ONLY METER 85 G AND COMPLETE WITH BOX 280G



ORDERING INFORMATION:

SCT-108.001.01	SCT-PH PEN-1	SCT pH PEN-1 POCKET PH METER IS SUPPLIED WITH STANDARD SOLUTION, BATTERY, SCREWDRIVER, AND INSTRUCTION MANUAL , PACKED IN COLOURFUL SUITABLE BOX.
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SCT POCKET pH / TEMP METER (HIGH RESOLUTION + ATC)

SALIENT FEATURES:

- Reliable SCT Tester for high resolution pH measurement.
- Ergonomic Design - Waterproof IP57 rated.
- Accurate & Fast in measurements 0.01 pH resolution.
- Removable & changeable electrode.
- Large and clear display.
- Manual calibration through screw trim port 1 or 2 points.
- With Automatic Temperature Compensation (ATC).
- Battery operated.

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.001.02
MODEL	SCT-PH-PEN-2
TYPE	pH
RANGE	0~14.0
ACCURACY	±0.01+1 DIGIT
RESOLUTION	0.01 pH
ATC	YES
POWER	3V X 2 LITHIUM BATTERY
DIMENSION	FOR METER 33.5 X 170 MM AND WITH BOX L(230) X H(45)X W(120) MM
WEIGHT	ONLY METER 85 G AND COMPLETE WITH BOX 280G



ORDERING INFORMATION:

SCT-108.001.02	SCT-PH-PEN-2	SCT pH PEN-2 POCKET PH METER IS SUPPLIED WITH STANDARD SOLUTION, BATTERY, SCREWDRIVER AND INSTRUCTION MANUAL, PACKED IN COLOURFUL SUITABLE BOX.
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SCT POCKET CONDUCTIVITY METER

SALIENT FEATURES:

- Reliable SCT Tester for basic & easy Conductivity measurement.
- Ergonomic Design - Waterproof IP57 rated.
- Accurate & Fast in measurements 10 $\mu\text{S}/\text{CM}$ resolution.
- Removable & changeable electrode.
- Large and clear display.
- Manual calibration through screw trim port 1 or 2 points.
- With Automatic Temperature Compensation (ATC).
- Battery operated.

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.001.03
MODEL NO.	SCT-CON-PEN-1
TYPE	CONDUCTIVITY
RANGE	0-19990 μS
ACCURACY	$\pm 1\%$ FS
RESOLUTION	10 $\mu\text{S}/\text{CM}$
ATC	YES
POWER	3V X 2 LITHIUM BATTERY
DIMENSION	FOR METER 33.5 X 170 MM AND WITH BOX L(230) X H(45)X W(120) MM
WEIGHT	ONLY METER 85 G AND COMPLETE WITH BOX 280G



ORDERING INFORMATION:

SCT-108.001.03	SCT-CON-PEN-1	SCT CON PEN-1 POCKET CONDUCTIVITY METER IS SUPPLIED WITH STANDARD SOLUTION, BATTERY, SCREWDRIVER, AND INSTRUCTION MANUAL , PACKED IN COLOURFUL SUITABLE BOX.
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SCT POCKET CONDUCTIVITY METER (HIGH RESOLUTION)

SALIENT FEATURES:

- Reliable SCT Tester for high resolution Conductivity measurement.
- Ergonomic Design - Waterproof IP57 rated.
- Accurate & Fast in measurements 1 $\mu\text{S}/\text{CM}$ resolution.
- Removable & changeable electrode.
- Large and clear display.
- Manual calibration through screw trim port 1 or 2 points.
- With better Conductivity resolution 1 $\mu\text{S}/\text{CM}$.
- With Automatic Temperature Compensation (ATC).
- Battery operated.

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.001.04
MODEL NO.	SCT-CON-PEN-2
TYPE	CONDUCTIVITY
RANGE	0-1999 μS
ACCURACY	$\pm 1\%$ FS
RESOLUTION	1 $\mu\text{S}/\text{CM}$
ATC	YES
POWER	3V X 2 LITHIUM BATTERY
DIMENSION	FOR METER 33.5 X 170 MM AND WITH BOX L(230) X H(45)X W(120) MM
WEIGHT	ONLY METER 85 G AND COMPLETE WITH BOX 280G



ORDERING INFORMATION:

SCT-108.001.04	SCT-CON-PEN-2	SCT CON PEN-2 POCKET CONDUCTIVITY METER IS SUPPLIED WITH STANDARD SOLUTION, BATTERY, SCREWDRIVER AND INSTRUCTION MANUAL , PACKED IN COLOURFUL SUITABLE BOX.
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SCT POCKET TDS METER

SALIENT FEATURES:

- Reliable SCT Tester for basic & easy TDS measurement.
- Ergonomic Design - Waterproof IP57 rated.
- Accurate & Fast in measurements 10 ppm resolution.
- Removable & changeable electrode.
- Large and clear display.
- Manual calibration through screw trim port 1 or 2 points.
- With Automatic Temperature Compensation (ATC).
- Battery operated.

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.001.05
MODEL	SCT-TDS-PEN-1
TYPE	TDS
RANGE	0-19990PPM
ACCURACY	±1%FS
RESOLUTION	10 PPM
ATC	YES
POWER	3V X 2 LITHIUM BATTERY
DIMENSION	FOR METER 33.5 X 170 MM AND WITH BOX L(230) X H(45)X W(120) MM
WEIGHT	ONLY METER 85 G AND COMPLETE WITH BOX 280G



ORDERING INFORMATION:

SCT-108.001.05	SCT-TDS-PEN-1	SCT TDS PEN-1 POCKET TDS METER IS SUPPLIED WITH STANDARD SOLUTION, BATTERY, SCREW-DRIVER AND INSTRUCTION MANUAL , PACKED IN COLOURFUL SUITABLE BOX.
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SCT POCKET TDS METER (HIGH RESOLUTION)

SALIENT FEATURES:

- Reliable SCT Tester for high resolution TDS measurement.
- Ergonomic Design - Waterproof IP57 rated.
- Accurate & Fast in measurements 1 ppm resolution.
- Removable & changeable electrode.
- Large and clear display.
- Manual calibration through screw trim port 1 or 2 points.
- With better TDS resolution 1ppm
- With Automatic Temperature Compensation (ATC).
- Battery operated.

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.001.06
MODEL	SCT-TDS-PEN-2
TYPE	TDS
RANGE	0-19999PPM
ACCURACY	±1%FS
RESOLUTION	1 PPM
ATC	YES
POWER	3V X 2 LITHIUM BATTERY
DIMENSION	FOR METER 33.5 X 170 MM AND WITH BOX L(230) X H(45)X W(120) MM
WEIGHT	ONLY METER 85 G AND COMPLETE WITH BOX 280G



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ORDERING INFORMATION:

SCT-108.001.06	SCT-TDS-PEN-2	SCT TDS PEN-2 POCKET TDS METER IS SUPPLIED WITH STANDARD SOLUTION, BATTERY, SCREWDRIVER AND INSTRUCTION MANUAL , PACKED IN COLOURFUL SUITABLE BOX.
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SCT POCKET ORP METER

SALIENT FEATURES:

- Reliable SCT Tester for basic & easy ORP measurement.
- Ergonomic Design - Waterproof IP57 rated.
- Accurate & Fast in measurements 1 mV resolution.
- Removable & changeable electrode.
- Large and clear display.
- Manual calibration through screw trim port 1 or 2 points.
- Battery operated.

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.001.07
MODEL NO.	SCT-ORP-PEN-1
TYPE	ORP
RANGE	±1999 mV
ACCURACY	±2%FS
RESOLUTION	1 mV
ATC	N/A
POWER	3V X 2 LITHIUM BATTERY
DIMENSION	FOR METER 33.5 X 170 MM AND WITH BOX L(230) X H(45) X W(120) MM
WEIGHT	ONLY METER 85 G AND COMPLETE WITH BOX 280G



ORDERING INFORMATION:

SCT-108.001.07	SCT-ORP-PEN-1	SCT ORP PEN-1 POCKET ORP METER IS SUPPLIED WITH STANDARD SOLUTION, BATTERY, SCREWDRIVER, AND INSTRUCTION MANUAL, PACKED IN COLOURFUL SUITABLE BOX.
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SCT WATER PROOF POCKET DO / O₂ / TEMP METER

SALIENT FEATURES:

- Reliable SCT tester for Dissolved Oxygen, Oxygen and Temperature measurements.
- Microprocessor based for fast and accurate measurements 0.01 mg/L resolution.
- Special viewing angle designed of waterproof housing IP 57 rated. It floats on water.
- Large LCD display DO and Temperature simultaneously.
- Easy to calibrate by one keyboard and Automatic Temperature Compensation (ATC), Manual Salinity (MSC) and Altitude (MAC) Compensation.
- Multi-functions with Data-hold, Max/Min and shows PTS after calibration. Degree °C/°F are switchable.
- Auto power shut off after 10 minutes of non use.
- Easy to replace electrode module and the type of electrode would be recognized automatically and shown in display during insertion.
- Battery operated. Low battery and consumption indicator.

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.001.15		
MODEL NO.	SCT-DO-PEN-1		
	DO	O ₂	TEMP
RANGE	0~20 mg/L	0~200%	0~90.0°C
ACCURACY	±0.2 + 1DIGIT	± 2% FS	±0.2+1 DIGIT
RESOLUTION	0.01 mg/L	0.1%	0.1°C
ATC	0~50 °C		
MSC	0~50 PPT		
MAC	0-20000 FT		
CALIBRATION	100% IN AIR		
POWER	DC1.5V X 4 BATTERY		
DIMENSIONS	FOR METER 195 X 40 X 36 MM, KITS: L(235) X H(55) X W(210) MM		
WEIGHT	ONLY METER: 135g (WITH BATTERY), KITS: 780G		



ORDERING INFORMATION:

SCT-108.001.15	SCT-DO-PEN-1	SCT DO PEN-1 HANDHELD DO/O ₂ /TEMP METER IS SUPPLIED WITH STORAGE SOLUTION, LAN CONNECTION, BATTERY AND INSTRUCTION MANUAL, PACKED IN A NICE SMALL CARRYING PLASTIC CASE.
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SCT WATER PROOF POCKET pH / mV / TEMP METER (COMBO)

SALIENT FEATURES:

- Reliable SCT Tester for pH, ORP and Temperature measurements.
- Microprocessor based for fast and accurate measurements.
- Special viewing angle designed of waterproof housing IP 57 rated. It floats on water.
- Large LCD display pH, ORP and Temperature simultaneously.
- Easy to calibrate by one keyboard and Automatic Temperature Compensation (ATC), Manual Salinity(MSC) and Altitude(MAC) Compensation.
- Multi-functions with Data-hold, Max/Min and shows PTS after calibration. Degree °C/°F are switchable.
- Auto power shut off after 10 minutes of non use.
- Easy to replace electrode module and the type of electrode would be recognized automatically and shown in display during insertion.
- Battery operated. Low battery and consumption indicator.

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.001.16		
MODEL NO.	SCT-PH-PEN-3		
	pH	mV	TEMP.
RANGE	-2 ~ 16.00	-1000 ~ 1000	0 ~ 90°C
ACCURACY	± 0.01 + 1DIGIT	±2 + 1DIGIT	± 0.2 + 1DIGIT
RESOLUTION	0.01 pH	1 mV	0.1°C
ATC	0 ~ 90°C		
CALIBRATION	pH 4.00, 7.00, 10.01		
POWER	DC1.5V X 4 BATTERY		
DIMENSION	FOR METER 195 X 40 X 36 MM, KITS: L(235) X H(55) X W(210) MM		
WEIGHT	METER - 135G (WITH BATTERY) COMPLETE 780G		

* ORP (mV) Probe to be ordered separately (not included).



ORDERING INFORMATION:

SCT-108.001.16	SCT-PH-PEN-3	SCT pH PEN-3 WATERPROOF HANDHELD PH/mV/TEMP METER IS SUPPLIED WITH STANDARD SOLUTION, STORAGE SOLUTION (PH4 & PH7), LANYARD CONNECTION, BATTERY AND INSTRUCTION MANUAL , PACKED IN A NICE SMALL CARRYING PLASTIC CASE.
SCT-108.001.16A		ORP (mV) PROBE

SCT WATER PROOF POCKET COND / TDS / SALT / TEMP METER (COMBO 1)

SALIENT FEATURES:

- Reliable SCT Tester for Conductivity, TDS, Salinity and Temperature measurements.
- Microprocessor based for fast and accurate measurements.
- Special viewing angle designed of waterproof housing IP 57 rated. It floats on water.
- Large LCD display Conductivity, TDS, Salinity and Temperature Simultaneously.
- Simple to calibrate by one keyboard and automatic temperature compensation (ATC), Manual Salinity (MSC) and Altitude (MAC) Compensation.
- Multi-functions with Data-hold, Max/Min and shows PTS after calibration. Degree °C/°F are switchable.
- Auto power shut off after 10 minutes of non use.
- Easy to replace electrode module and the type of electrode would be recognized automatically and shown in display during insertion.
- Battery operated. Low battery and consumption indicator.

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.001.17			
MODEL NO.	SCT-CON-PEN-3			
	COND.	TDS	SALT	TEMP.
RANGE	0 ~ 2000 µS	0 ~ 1300 PPM	0 ~ 1000 PPM	0 ~ 90°C
	2.00~20.00 mS	1.30 ~ 13.00 PPT	1.00 ~ 12.00 PPT	
ACCURACY	± 2% FS (COND., TDS, SALT)			± 0.2°C + 1DIGIT
RESOLUTION	1 µS/0.01 mS	1 PPM/0.01 PPT	1 PPM/0.01 PPT	0.1°C
ATC	0 ~ 50°C			
CALIBRATION	0, 1413 µS, 12.88 mS			
POWER	DC1.5V X 4 BATTERY			
DIMENSION	FOR METER 195 X 40 X 36 MM, KITS: L(235) X H(55) X W(210) MM			
WEIGHT	METER - 135G (WITH BATTERY) COMPLETE 780G			

ORDERING INFORMATION:

SCT-108.001.17	SCT-CON-PEN-3	SCT CON PEN-3 WATERPROOF HANDHELD COND, TDS, SALINITY & TEMP METER IS SUPPLIED WITH STANDARD SOLUTION, STORAGE SOLUTION (PH4 & PH7), LANYARD CONNECTION, BATTERY AND INSTRUCTION MANUAL , PACKED IN A NICE SMALL CARRYING PLASTIC CASE.
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SCT WATERPROOF POCKET pH/mV (ORP)/COND/TDS/SALT/TEMP METER (COMBO 2)

SALIENT FEATURES:

- Reliable SCT Multi Tester for pH, ORP, Conductivity, Salinity and Temperature measurements.
- Microprocessor based for fast and accurate measurements.
- Special viewing angle designed of waterproof housing IP 57 rated. It floats on water.
- Large LCD display for pH / ORP / Conductivity / TDS / Salinity and Temperature simultaneously.
- Easy to calibrate by one keyboard and Automatic Temperature Compensation (ATC), Manual Salinity(MSC) and Altitude(MAC) Compensation.
- Multi-functions with Data-hold, Max/Min and shows PTS after calibration Degree °C/°F are switchable. World best combination handheld meter.
- Auto power shut off after 10 minutes of non use.
- Easy to replace electrode module and the type of electrode would be recognized automatically and shown in display during insertion.
- Battery operated. Low battery and consumption indicator.

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.001.18					
MODEL NO.	SCT-pH-PEN-4					
	pH	mV (ORP)	TEMP.	COND.	TDS	SALT
RANGE	-2 ~ 16.00	-1000 ~ 1000	0 ~ 90°C	0 ~ 2000 µS 2.00~20.00 mS	0 ~ 1300 PPM 1.30 ~ 13.00 PPT	0 ~1000 PPM 1.00~12.00 PPT
ACCURACY	± 0.01 +1DIGIT	±2 + 1DIGIT	± 0.2+1 DIGIT	± 2% FS (COND., TDS, SALT)		
RESOLUTION	0.01 pH	1 mV	0.1°C	1 µS/0.01 mS	1 PPM/0.01 PPT	1 PPM/0.01 PPT
ATC				0 ~ 90°C		
CALIBRATION	pH 4.00, 7.00, 10.01			0, 1413 µS, 12.88 mS		
POWER	DC1.5V X 4 BATTERY					
DIMENSION	FOR METER 195 X 40 X 36 MM, KITS: L(235) X H(55) X W(210) MM					
WEIGHT	METER - 135G (WITH BATTERY) COMPLETE 780G					



ORDERING INFORMATION:

SCT-108.001.18	SCT-pH-PEN-4	SCT pH PEN-4 WATERPROOF HANDHELD PH/mV/COND/TDS/SALT/TEMP METER IS SUPPLIED WITH STANDARD SOLUTION (pH4, pH7 & 1413µS), LANYARD CONNECTION, BATTERY AND INSTRUCTION MANUAL, PACKED IN A NICE SMALL CARRYING PLASTIC CASE.
SCT-108.001.18A		ORP (mV) PROBE

* ORP (mV) Probe to be ordered separately (not included).

SCT pH METER FOR FOOD & SOIL

SALIENT FEATURES:

- Reliable SCT Food & Soil pH meter with spear tip pH electrode, ideal for pH measurement into soil, meats & cheese.
- Electrode features a very durable glass measuring spear packaged in a rugged virtually unbreakable epoxy body.
- Auto calibration for pH 4, pH 7 or pH 10.
- Build in reverse display button.
- Data hold.
- Auto power off.
- Compact size, light weight.
- Water resistant on front panel.

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.001.19
MODEL NO.	SCT-pH-PEN-5
MEASUREMENT RANGE	0 TO 14 pH
RESOLUTION	0.01 pH
ACCURACY	+ 0.07 pH (pH5 to pH9) + 0.01 pH (pH4 to pH4.9, pH9.1 to pH10) + 0.2 pH (pH1 to pH3.9, pH10.1 to pH13)
INPUT IMPEDANCE	10 ¹² ohms.
SAMPLING TIME	APPROX. 0.8 SECONDS
CALIBRATION METHOD	AUTO CALIBRATION, pH7, pH 4 (or pH 10)
pH ELECTRODE CONNECTOR	BNC CONNECTOR
OPERATING TEMPERATURE & HUMIDITY	0 TO 50°C (32 TO 122°F) / LESS THAN 80% RH.
POWER SUPPLY	DC 1.5V BATTERY x 4 PCS.
DIMENSION	METER 1: 180 x 40 x 32 mm ELECTRODE : BODY SIZE - 12 mm DIA x 160 mm ELECTRODE CABLE LENGTH : APPROX 1000 mm
WEIGHT	220 gm



ORDERING INFORMATION:

SCT-108.001.19	SCT-pH-PEN-5	SCT pH-PEN-5 HANDHELD pH METER FOR FOOD & SOIL IS SUPPLIED WITH pH ELECTRODE, pH4, 7 BUFFER SOLUTION AND INSTRUCTION MANUAL.
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SCT POCKET LCD DIGITAL THERMO HYGROMETER

SALIENT FEATURES:

- Reliable SCT Tester for Humidity and Temperature measurements.
- Small and simple design.
- 0.1°C Temp/0.1% RH resolution.
- With removable cap.
- Option to select °F/°C.
- Temperature / Humidity with maximum / minimum in °F/°C.
- Battery operated, with Low Battery Indicator.

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.001.21
MODEL NO.	SCT-THYG-PEN-1
TYPE	SCT HANDHELD LCD DIGITAL THERMO HYGROMETER
RANGE	0°C ~ +50°C OR 32°F ~ +122°F / 20% ~ 100% R.H.
ACCURACY	±1.0°C OR ±1.8°F FOR WHOLE RANGE
RESOLUTION	0.1°C FOR WHOLE RANGE / 0.1% R.H. FOR WHOLE RANGE
POWER	1 X 3 VOLTS
AMBIENT TEMPERATURE FOR PLASTIC CASE	0°C ~ +50°C OR 32°F ~ +122°F
DIMENSION (mm)	165 x 37 x 18



ORDERING INFORMATION:

SCT-108.001.21	SCT-THYG-PEN-1	SCT THYG-PEN-1 HANDHELD LCD DIGITAL THERMO HYGROMETER IS SUPPLIED WITH MANUAL & READY TO USE.
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SCT POCKET LCD DIGITAL MOVING HEAD THERMO HYGROMETER

SALIENT FEATURES:

- Reliable SCT Tester for Humidity and Temperature measurements.
- Option to select °F/°C.
- 133 mm Probe.
- Battery operated.
- Ergonomic Head moving design.
- Humidity / Temperature Dual Display.
- Memory recalling.
- Good measuring range.

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.001.22
MODEL NO.	SCT-THYG-PEN-2
TYPE	SCT HANDHELD LCD DIGITAL MOVING HEAD
RANGE	0°C ~ +50°C OR 32°F ~ +122°F / 20% ~ 100% R.H.
ACCURACY	±1.0°C OR ±1.8°F FOR WHOLE RANGE
RESOLUTION	0.1°F FOR WHOLE RANGE / 0.1% R.H. FOR WHOLE RANGE
POWER	1 X 3 VOLTS
AMBIENT TEMPERATURE FOR PLASTIC CASE	0°C ~ +50°C OR 32°F ~ +122°F



ORDERING INFORMATION:

SCT-108.001.22	SCT-THYG-PEN-2	SCT THYG PEN-2 HANDHELD LCD DIGITAL MOVING HEAD THERMO HYGROMETER WITH ON/OFF, MAX/MIN, °F/°C, DUAL DISPLAY (TEMPERATURE AND HUMIDITY) IS SUPPLIED WITH MANUAL AND READY TO USE.
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SCT DUAL DISPLAY THERMOHYGROMETER

SALIENT FEATURES:

- Reliable SCT Pocket Type Meter for Humidity & Temperature measurements.
- Maximum/ minimum (°F / °C) temperature & humidity memory recalling
- Battery operated.
- Comfort / Warm / Cool index with Dual Display.
- Option to select OF/OC.
- 3 m sensor wire with probe for outdoor measurement
- Indoor / Outdoor Temperature & Humidity Display.
- With Flipout Stand

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.001.23
MODEL NO.	SCT-THYG-PEN-3
TYPE	SCT JUMBO DUAL DISPLAY THERMO HYGROMETER
RANGE	0°C ~ +70°C OR 32°F ~ +150°F / 20% ~ 100% R.H.
ACCURACY	±1.0°C OR ±1.8°F IN THE RANGE OF -0°C ~ +70°C OR -4°C ~ +158°F; OTHERWISE MORE THAN ±1.0°C OR ±1.8°F
RESOLUTION	±0.1°F FOR WHOLE RANGE / ±0.1% R.H. FOR WHOLE RANGE
POWER	2 X 1.5V
AMBIENT TEMPERATURE FOR PLASTIC CASE	0°C ~ +50°C OR +14°F ~ +122°F



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ORDERING INFORMATION:

SCT-108.001.23	SCT-THYG-PEN-3	SCT THYG PEN-1 JUMBO DUAL DISPLAY THERMO HYGROMETER WITH INDOOR/OUTDOOR TEMPERATURE MEASUREMENT, °F/°C SELECTABLE, MAX/MIN (°F / °C) MEMORY RECALLING, MAX/MIN HUMIDITY MEMORY RECALLING, COMFORTABLE & UNCOMFORTABLE INDEX IS SUPPLIED WITH MANUAL AND READY TO USE.
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SCT TRI-THERMO HYGROMETER WITH ALARM CLOCK

SALIENT FEATURES:

- Reliable SCT Pocket Type Meter for Humidity & Temperature measurement with Time Display.
- Comfort / Warm / cool index with Time Display.
- Option to select °F/°C.
- Maximum / minimum (°F /°C) temperature & humidity memory recalling.
- With 3 m sensor for outdoor measurements.
- Clock with alarm / snooze, 12 / 24 hour format.
- Battery operated.
- With Flipout Stand.

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.001.24
MODEL NO.	SCT-THYG-PEN-4
TYPE	SCT JUMBO TRI-THERMO HYGROMETER WITH ALARM CLOCK
RANGE	-50°C ~ +70°C OR -58°F ~+150°F / 20% ~ 100% R.H.
ACCURACY	±1.0°C OR ±1.8°F IN THE RANGE OF -20°C ~ +70°C OR -4°C ~ +158°F; OTHERWISE MORE THAN ±1.0°C OR ±1.8°F
RESOLUTION	± 0.1°F FOR WHOLE RANGE / ± 0.1% R.H. FOR WHOLE RANGE
POWER	2X 1.5V
AMBIENT TEMPERATURE FOR PLASTIC CASE	0°C ~ +50°C OR +14°F ~ +122°F



ORDERING INFORMATION:

SCT-108.001.24	SCT-THYG-PEN-4	SCT THYG PEN-4 JUMBO TRI-THERMOHYGROMETER WITH ALARM CLOCK WITH INDOOR/OUTDOOR TEMPERATURE MEASUREMENT, °F /°C SELECTABLE, MAX/MIN (°F /°C) MEMORY RECALLING, MAX/MIN HUMIDITY MEMORY RECALLING, ALARM CLOCK WITH SNOOZE IS SUPPLIED WITH MANUAL AND READY TO USE.
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SCT-THYG PEN -5 : POCKET TYPE TEMPERATURE / HUMIDITY DATALOGGER

SALIENT FEATURES:

- SCT- SCT THYG PEN-5 has been designed in a compact ,simple & handy way.
- SCT- SCT THYG PEN-5 has a wide measuring range Temp: -40 to 85°C (-40~185°F), RH: 1%-99% RH
- SCT- SCT THYG PEN-5 has a sampling time of 3 seconds / time , 50000 data-logging records
- SCT- SCT-THFR-PEN-8 is suitable for continuous portable monitoring, easy to use through the software for the parameter setting & analysis. With USB down load.
- SCT- SCT THYG PEN-5 can record both Temp & RH of the same time.
- SCT- SCT THYG PEN-5 has a clear digital LCD TO read. Can measure in both °C/°F, and RH It has internal Temperature / RH alarm.
- SCT- SCT THYG PEN-5 has wide range of applications in the various industries
- This meter has been manufactured as per the International Standards & ISO 9001:2008 quality standards.

TECHNICAL SPECIFICATIONS:

PRODUCT NO	SCT-108.001.25
MODEL NO	SCT THYG PEN-5
Temperature Measurement Range	-40 to 85°C (-40~185°F)
Accuracy	±1.2°C (0.6°F) from -4 to 122°C (-20 to 50°F) ±1.8°C (1.0°F) all other ranges
Resolution	0.1°C
Humidity Type	Capacitor
Measurement Range	1%-99% RH
Accuracy	±3.0%RH(20~80%) ±5.0%RH(<20%,>80%)
Resolution	0.1%
Display	3 digits LCD
LED status	Red LED of Alarm, green LED of Record
Sampling rate	1 times/3second
Battery	One 3.6V ½ AA lithium battery
Battery Life	1 year
External Power Supply	5 VDC with 0.5A
Operating temperature and humidity	-40 to 85°C (-40~185°F), 0-95%, RH, non-condensing
Instrument Dimensions	83(L)*60(W)*24(H) mm
Weight	About 77g.



ORDERING INFORMATION:

PRODUCT NO.	MODEL NO.	DESCRIPTION
SCT-108.001.25	SCT THYG PEN-5	SCT THYG PEN-5 Temperature Dataloggers supplied complete with instruction manual

SCT-TEHR PEN-8 : POCKET TYPE TEMPERATURE DATALOGGER

SALIENT FEATURES:

- SCT- SCT-THFR-PEN-8 has been designed in a compact ,simple & Handy way.
- SCT- SCT-THFR-PEN-8 has a wide measuring range -40 to 85°C (-40~185°F)
- SCT- SCT-THFR-PEN-8 has a clear digital LCD to read. Can measure in both °C/°F, with internal Temperature alarm.
- SCT- SCT-THFR-PEN-8 has a sampling time of 3 seconds / time , 50000 data-logging records
- SCT- SCT-THFR-PEN-8 is suitable for continuous portable monitoring, easy to use through the software for the parameter setting & analysis.
With USB down load.
- SCT- SCT-THFR-PEN-8 has wide range of applications in the various industries.
- This meter has been manufactured as per the International Standards & ISO 9001:2008 quality standards.

TECHNICAL SPECIFICATIONS:

PRODUCT NO	SCT-108.001.26
MODEL NO	SCT-THFR-PEN-7
Measurement Range	-40 to 85°C (-40~185°F)
Accuracy	±1.2°C(0.6°F) from -4 to 122°C(-20 to 50°F) ±1.8°C (1.0°F) all other ranges
Resolution	0.1°C
Display	3 digits LCD
LED status	Red LED of Alarm, green LED of Record
Sampling rate	1 time /3second
Battery	One 3.6V ½ AA lithium battery
Battery Life	1 year
External Power Supply	5 VDC with 0.5A
Operating Temperature & Humidity	-40 to 85°C(-40~185°C), 0-95%, RH, non-condensing
Instrument Dimensions	83(L)*60(W)*24(H) mm
Weight	About 77g



ORDERING INFORMATION:

PRODUCT NO	MODEL NO	DESCRIPTION
SCT-108.001.26	SCT-THFR-PEN-7	SCT-THFR-PEN-7 Temperature Data logger is supplied complete with instruction manual

SCT- THER-PEN-7 FRIDGE / FREEZER POCKET THERMOMETER

SALIENT FEATURES:

- SCT- THER-PEN-7 Fridge / Freezer Pocket Thermometer has been designed in a compact, simple & Ergonomic way.
- SCT- THER-PEN-7 has a clear display & can measure in °C / °F
- SCT- THER-PEN-7 has warning alarm functions
- SCT- THER-PEN-7 has 2 meter probe cable with the Probe
- SCT- THER-PEN-7 has Max / Min memory
- This meter has been manufactured as per the International Standards & ISO 9001:2008 quality standards.

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.001.27
MODEL NO.	SCT-THFR-PEN-8
Temperature Range	-50~70°C/-58~158°F
Accuracy	±/-1°C
Alarm	Yes
Max /Min memory	Yes
Sensor wire for outer door measurement	2 Meter
Material	Plastic
Size	68X40X14mm
Box Size	75x65x42mm



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ORDERING INFORMATION:

PRODUCT NO.	MODEL NO.	DESCRIPTION
SCT-108.001.27	SCT-THER-PEN-8	SCT- THER-PEN-7 Fridge / Freezer Pocket Thermometer, is supplied complete with 2 meter cable with probe and the instruction manual

OPTIONAL ACCESSORIES (ORDER ONLY IF REQUIRED)

ACCESSORY	PRODUCT NO	DESCRIPTION
Probe	SCT-108.001.27 AA	Probe with 2 meter cable
Battery	SCT-108.001.27 AB	Batteries for SCT- THER-PEN-7 Fridge / Freezer Pocket Thermometer

SC T-HERSCHEL : IR THERMOMETER WITH THERMISTOR PROBE

SALIENT FEATURES:

- SCT-HERSCHEL has been designed in a compact, attractive & Ergonomic way.
- SCT-HERSCHEL has a wide measuring range -35°C to 260°C / -31°F to 500°F
- SCT-HERSCHEL has min & max Temp record.
- SCT-HERSCHEL has over range indication.
- SCT-HERSCHEL has Data hold & Auto power off.
- SCT-HERSCHEL has User selectable °C or °F
- SCT-HERSCHEL has contact probe to give the accurate results.
- SCT-HERSCHEL has a quick response time.
- SCT-HERSCHEL has a light weight to carry & use it easily.
- SCT-HERSCHEL has a wide range of Scientific & Industrial Applications.
- This meter has been manufactured as per the International Standards & ISO 9001:2008 quality standards.

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.001.28
MODEL NO	SCT-HERSCHEL
IR Temp. Range	-35°C to 260°C / -31°F to 500°F
IR Temp. Resolution	0.1°C/°F
Optical Resolution	1:1 Distance to Spot size
Emissivity	Adjustable 0.10~1.0
Thermistor Temp. Range	-40°C to 260°C / -40°C to 500°C
Resolution	0.1°C/°F
Response Time	Less than 1s
Basic Accuracy	±2.0% of reading
Battery	Lithium CR 2032 3V x 2
Weight & Dimensions (H*W*D) of the Meter.	80 g and 140mm*42mm*25mm
Warranty	Standard one Year International warranty against manufacturing defects if any & based on our SCT Terms & Conditions Given in the operational Manual.
Quality & Standards	This meter has been manufactured as per the International Standards & ISO 9001:2008 quality standards



ORDERING INFORMATION:

PRODUCT NO.	MODEL NO.	DESCRIPTION
SCT-108.001.28	SCT-HERSCHEL	SCT-HERSCHEL Digital IR Thermometer with Thermistor probe supplied complete with instruction manual

OPTIONAL ACCESSORIES (ORDER ONLY IF REQUIRED)

ACCESSORY	PRODUCT NO.	DESCRIPTION
Probe	SCT-108.001.28 AA	Thermistor probe
Battery	SCT-108.001.28 AB	Batteries for SCT-HERSCHEL Digital IR Thermometer

SCT POCKET LCD DIGITAL MULTI-THERMOMETER

SALIENT FEATURES:

- Reliable SCT Tester for Temperature measurement.
- Small design and display.
- Option to select °F/°C.
- Option to hold / test data.
- Auto shut-off in 60 minutes.
- Sensing time 1 second.
- 133mm. Stainless steel sensor probe protective plastic sleeve with clip.
- Battery operated with low battery indicator.

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.001.30
MODEL NO.	SCT-THER-PEN-1
TYPE	SCT LCD DIGITAL MULTI-THERMOMETER
RANGE	-50°C ~ +300°C OR -58°F ~ +572°F
ACCURACY	±1°C IN THE RANGE OF -30°C ~ +250°C / ±1.8°F IN THE RANGE OF -22°F ~ +482°F, OTHERWISE 2°C
RESOLUTION	0.1°C FOR -19.9°C ~ +199.9°C, OTHERWISE 1°C
POWER	1 X 1.5V
AMBIENT TEMPERATURE FOR PLASTIC CASE	0°C ~ +50°C OR +14°F ~ +122°F



ORDERING INFORMATION:

SCT-108.001.30	SCT-THER-PEN-1	SCT THER-PEN-1 LCD DIGITAL MULTI-THERMOMETER WITH 133 MM STAINLESS STEEL PROBE, ON/OFF, H/T, °F/°C, MAX/MIN (°F/°C) MEMORY RECALLING FUNCTION IS SUPPLIED WITH MANUAL AND READY TO USE.
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SCT T-BAR DIGITAL MULTI-STEM THERMOMETER

SALIENT FEATURES:

- Reliable SCT Tester for Temperature Measurements.
- T - Bar shaped - good design.
- Good - Temperature - max/min range.
- Option to select °F/°C.
- Option to select test / hold date.
- Sensing time 1 second.
- Stainless steel 133 mm probe.
- Protective plastic sleeve with clip for stainless steel.
- Battery operated with low battery indicator.



TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.001.31
MODEL NO.	SCT-THER-PEN-2
TYPE	SCT T-BAR DIGITAL STEM THERMOMETER
RANGE	-50°C ~ +150°C OR -58°F ~ +302°F
ACCURACY	± 1°C IN THE RANGE OF -30°C ~ +50°C (-22°F ~ +392°F)
RESOLUTION	0.1°C FOR -19.9°C ~ +199.9°C
POWER	1 X 1.5 V
AMBIENT TEMPERATURE FOR PLASTIC CASE	0°C ~ +50°C OR +14°F ~ +122°F



ORDERING INFORMATION:

SCT-108.001.31	SCT-THER-PEN-2	SCT THER PEN-2 T-BAR DIGITAL STEM THERMOMETER WITH 133 MM STAINLESS STEEL PROBE ON/OFF, MAX/MIN (°F/°C) IS SUPPLIED WITH MANUAL AND READY TO USE.
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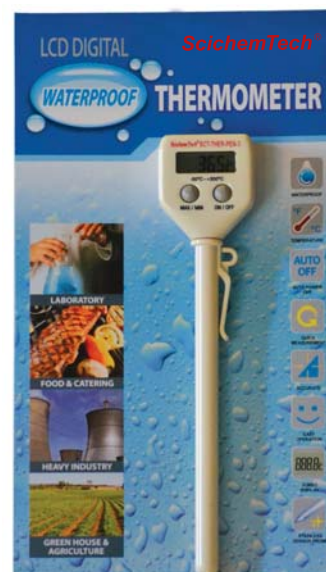
SCT WATERPROOF DIGITAL POCKET MULTI-STEM THERMOMETER

SALIENT FEATURES:

- Reliable SCT - Waterproof Tester for Temperature measurement.
- Good - Temperature - max/min range.
- Option to select °F/°C.
- Option to select test / hold date.
- Sensing time 1 second.
- Stainless steel 133 mm probe.
- Protective plastic sleeve with clip for stainless steel.
- Battery operated with low battery indicator.

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.001.32
MODEL NO.	SCT-THER-PEN-3
TYPE	SCT WATERPROOF DIGITAL POCKET MULTI-STEM THERMOMETER
RANGE	-50°C ~ +300°C OR -58°F ~ +572°F
ACCURACY	1°C IN THE RANGE OF -30°C ~ +250°C (-22°F ~ +482°F) OTHERWISE MORE THAN ± 2°C
RESOLUTION	0.1°C FOR -19.9°C ~ +199.9°C, OTHERWISE 1°C
POWER	1 X 1.5V
AMBIENT TEMPERATURE FOR PLASTIC CASE	0°C ~ +50°C OR +14°F ~ +122°F



ORDERING INFORMATION:

SCT-108.001.32	SCT-THER-PEN-3	SCT THER PEN-3 WATERPROOF DIGITAL POCKET MULTI-STEM THERMOMETER WITH 133 MM STAINLESS STEEL PROBE ON/OFF, MAX/MIN (°F/°C) MEMORY RECALLING FUNCTION IS SUPPLIED WITH MANUAL AND READY TO USE.
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SCT FOLDABLE THERMO WITH 10 MEMORIES MOVING HEAD WITH ADJUSTABLE

SALIENT FEATURES:

- Reliable SCT Folding Meter for Temperature Measurements.
- Ergonomic design - Head moving option.
- Sensing time 1 second for on / off operation.
- Option to select °F/°C .
- Max. / Min. memory recalling.
- Auto shut-off.
- Stainless Steel Probe - 133 mm.
- Option to select - hold / test data.
- Battery operated with Low Battery Indicator.



TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.001.34
MODEL NO.	SCT-THER-PEN-5
TYPE	SCT FOLDABLE THERMO WITH 10 MEMORIES MOVING HEAD WITH ADJUSTABLE ANGLE OF 45°/90°/135°/180°
RANGE	-50°C ~ +300°C OR -58°F ~ +572°F
ACCURACY	±1°C IN THE RANGE OF -30°C ~ +250°C, OTHERWISE 2°C
RESOLUTION	0.1°C FOR -19.9°C ~ +199.9°C, OTHERWISE 1°C
POWER	1 X 1.5V "AAA"
AMBIENT TEMPERATURE FOR PLASTIC CASE	-10°C ~ +50°C OR +14°F ~ +122°F

ORDERING INFORMATION:

SCT-108.001.34	SCT-THER-PEN-5	SCT THER PEN-5 FOLDABLE THERMO WITH 133 MM STAINLESS STEEL PROBE 10 MEMORIES MOVING HEAD WITH ADJUSTABLE ANGLE OF 45°/90°/135°/180°WITH ON/OFF, H/T, °F/°C, MAX/MIN (°F/°C) MEMORY RECALLING, 10 MEMORIES, MEMORY RECALLING, MEMORY CLEARING, HIGH ALARM, LOW ALARM AND ALARM OFF IS SUPPLIED WITH MANUAL AND READY TO USE.
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SCT WATER PROOF LCD DIGITAL MULTI-THERMOMETER

SALIENT FEATURES:

- Reliable SCT Multi-Tester for Temperature Measurements.
- Protective plastic cap for stainless steel probe, pocket clip, stand on back unit & sensor wire compartment
- Sensing time 1 second for on / off operation.
- Option to select °F/°C.
- Max. / Min. memory recalling.
- Auto shut-off.
- Stainless Steel Probe - 133 mm.
- Option to select - hold / test data.
- Battery operated with Low Battery Indicator.

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.001.35
MODEL NO.	SCT-THER-PEN-6
TYPE	SCT LCD DIGITAL MULTI-THERMOMETER
RANGE	-50°C ~ +150°C OR -58°F ~ +302°F
ACCURACY	±1°C IN THE RANGE OF -30°C ~ +150°C
RESOLUTION	0.1°C FOR -19.9°C ~ +199.9°C, OTHERWISE 1°C
POWER	1 X "G13"
AMBIENT TEMPERATURE FOR PLASTIC CASE	-10°C ~ +50°C OR +14°F ~ +122°F



ORDERING INFORMATION:

SCT-108.001.35	SCT-THER-PEN-6	SCT THER PEN-6 LCD DIGITAL MULTI-THERMOMETER WITH ON/OFF, H/T, °F/°C, MAX/MIN (°F/°C) MEMORY RECALLING, HIGH ALARM AND LOW ALARM FUNCTION IS SUPPLIED WITH MANUAL AND READY TO USE.
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SCT LCD DIGITAL AIR PRESSURE METER

SALIENT FEATURES:

- Reliable SCT Tester for Air Pressure, Altitude and Temperature Measurements.
- Clock with timer / alarm setting.
- Air Pressure & Altitude Display with Barograph.
- Graphic Display for weather forecast.
- Time, Display / Date.
- Battery operated with Low Battery Indicator.

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.001.37
MODEL NO.	SCT-AIR-PEN-1
TYPE	SCT LCD DIGITAL AIR PRESSURE METER
AIR PRESSURE	TYPE ABSOLUTE
	PRESSURE RANGE: 300 ~ 1100MB (HPA); 8.85 INHG ~ 32.45 INHG
	RESOLUTION: 1 MB/HPA; 0.01 INHG
	SENSING TIME: 15 MINUTES
ALTITUDE	ALTITUDE RANGE: -700M~+9000M, -2296FT ~+29520FT
	RESOLUTION: 0.1M FOR -500.0M TO 999.9M; OTHERWISE 1M
	SENSING TIME: 2 SECONDS
TEMPERATURE	TEMPERATURE RANGE: -10°C ~ +60°C OR +14°F ~ +140°F
	RESOLUTION: 0.1°C OR 0.1°F
	SENSING TIME: 1 MINUTE
DIRECTION	RANGE: 0-359°C
	RESOLUTION: 1°C
	SENSING TIME: 1 SECOND (LAST FOR 1 MINUTE)
POWER	2 X 3 VOLTS
AMBIENT TEMPERATURE FOR PLASTIC CASE	0°C ~ +50°C OR +14°F ~+122°F



ORDERING INFORMATION:

SCT-108.001.37	SCT-AIR-PEN-1	SCT AIR PEN-1 LCD DIGITAL AIR PRESSURE METER WITH ON/OFF, MODE (WITH SETTING), BACKLIGHT IS SUPPLIED WITH MANUAL AND READY TO USE.
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SCT POCKET VOLTAGE DETECTOR

SALIENT FEATURES:

- Reliable SCT - Unique Tester for Voltage Measurements.
- AC Voltage Deduction from 90V to 600V.
- Non-conduct deduction.
- Alarm / Red LED Voltage Indicator.
- Battery operated with low battery indicator.

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.001.38
MODEL NO.	SCT-VOLT-PEN-1
TYPE	SCT VOLTAGE DETECTOR
MEASUREMENT RANGE	DETECTS FROM 90V TO 600V AC, 50/60 HZ
POWER	3 X 1.5 VOLTS
DIMENSIONS (MM) / WEIGHT (G)	21 X 23 X 130 / 30
AVAILABLE COLOR / PACKAGE	GREY / SLIDING BLISTER WITH STANDARD PRINT CARD



ORDERING INFORMATION:

SCT-108.001.38	SCT-VOLT-PEN-1	SCT VOLT PEN-1 LCD DIGITAL AIR PRESSURE METER WITH ON/OFF, MODE (WITH SETTING), BACKLIGHT IS SUPPLIED WITH MANUAL AND READY TO USE.
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ScichemTech® - SCT PORTABLE / HANDHELD METERS

SCT PORTABLE pH METER

SALIENT FEATURES:

- A COMPLETE PORTABLE SCT-METER FOR pH, ORP MEASUREMENTS.
- BUILT-IN MICROPROCESSOR CHIPS, INTELLIGENT FUNCTIONS SUCH AS AUTOMATIC CALIBRATION, AUTOMATIC TEMPERATURE COMPENSATION, DATA STORAGE, FUNCTION SET-UP, SELF-DIAGNOSE INFORMATION, AUTOMATIC POWER-OFF AND LOW VOLTAGE DISPLAY.
- AUTOMATIC IDENTIFICATION OF 12 pH STANDARD CALIBRATION SOLUTIONS, THREE OPTIONS OF STANDARD BUFFER SOLUTIONS: EUROPE AND AMERICAN SERIES AND NIST SERIES.
- ABLE TO SET pH MEASUREMENT MODES OF HIGH PURITY WATER AND PURE WATER WITH AMMONIA.
- CALIBRATION SOLUTION AND PORTABLE CASE AND SUITED IN FIELD AND ON SITE.
- SCT METER MEETS ISO9001:2000, CE STANDARDS AND WATER PROOF IP57.



TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.002.01	
MODEL NO.	SCT-AIRA	
CATEGORY	PRODUCT NAME	BASIC FEATURES AND SPECIFICATIONS
pH	MEASURING RANGE	-2.00 ~ 19.99 pH
	RESOLUTION	0.1/0.01 pH
	ACCURACY	±0.01 pH
	INPUT CURRENT	≤2×10 ⁻¹² A
	INPUT IMPEDANCE	≥1×10 ¹² Ω
	STABILITY	±0.01 pH/3H
	TEMP. COMPENSATION RANGE	0 ~ 100 (AUTOMATIC)
ORP	MEASURING RANGE (mV/ORP/EH)	-1999mV ~ 0 ~ 1999 mV
	RESOLUTION	1mV
	ACCURACY	±0.1% FS, OVERALL: ±15mV
OTHER TECHNICAL PARAMETERS	DATA STORAGE	200 GROUPS
	STORAGE CONTENT	SERIES NUMBER, MEASURING VALUE MEASURING UNIT AND TEMPERATURE.
	POWER	1.5V X 2
	SIZE AND WEIGHT	METER (65×120×31) MM/180G CASE (360×270×76) MM/1.6KG
	QUALITY AND SAFETY CERTIFICATION	ISO9001:2000, CE
WORKING CONDITION	ENVIRONMENT TEMPERATURE	5 ~ 35 0.01GRADE
	ENVIRONMENTAL HUMIDITY	≤85%
	IP RATING	IP57 DUSTPROOF AND WATERPROOF



ORDERING INFORMATION:

SCT-108.002.01	SCT-AIRA	SCT AIRA PORTABLE pH METER IS SUPPLIED WITH PLASTIC PH/ATC THREE-IN-ONE COMBINATION ELECTRODE, pH STANDARD BUFFER SOLUTION (PH4.00, PH7.00 AND PH10.01/50ML, SCREW DRIVER, SPARE BATTERIES, OPERATION MANUAL & CARRYING CASE.
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* PLS NOTE: ORP ELECTRODE AND ORP SOLUTIONS ARE NOT INCLUDED IT MUST BE PURCHASED SEPARATELY. PLEASE SELECT FROM THE OPTIONAL ACCESSORIES BELOW:

OPTIONAL ACCESSORIES: (SELECT ONLY IF REQUIRED)

ACCESSORY CATEGORY	PRODUCT NO	DESCRIPTION
pH COMBINATION ELECTRODE	SCT-108.002.A1	PLASTIC THREE-IN-ONE COMBINATION pH ELECTRODE MEASURE pH AND TEMPERATURE SIMULTANEOUSLY, ATC, GENERAL MEASUREMENT, 8 PIN CONNECTOR.
ORP COMBINATION ELECTRODE	SCT-108.002.B1	PLASTIC ORP COMBINATION ELECTRODE, SUITED FOR REGULAR ORP MEASUREMENT, 8 PIN CONNECTOR.
	SCT-108.002.AA	pH 4.00 BUFFER 500 ML
pH BUFFER	SCT-108.002.AB	pH 4.00 BUFFER 250 ML
	SCT-108.002.AG	pH 7.00 BUFFER 500 ML
	SCT-108.002.AH	pH 7.00 BUFFER 250 ML
	SCT-108.002.AM	pH 10.01 BUFFER 500 ML
	SCT-108.002.AN	pH 10.01 BUFFER 250 ML
	SCT-108.002.CA	COMBINATION ELECTRODE STORAGE SOLUTION 500 ML
ELECTRODE STORAGE SOLUTION	SCT-108.002.CB	COMBINATION ELECTRODE STORAGE SOLUTION 250 ML
	SCT-108.002.DA	222 mV ORP STANDARD SOLUTION 250 ML
ORP STANDARD SOLUTION	SCT-108.002.DB	222 mV ORP STANDARD SOLUTION 100 ML
	SCT-108.002.KA	CARRYING CASE 360×270×76 MM

SCT PORTABLE ORP (OXIDATION REDUCTION POTENTIAL) METER

SALIENT FEATURES :

- A COMPLETE PORTABLE SCT-METER FOR pH, ORP MEASUREMENTS.
- BUILT-IN MICROPROCESSOR CHIPS, INTELLIGENT FUNCTIONS SUCH AS DATA STORAGE, FUNCTION SET-UP, AUTOMATIC POWER-OFF AND LOW VOLTAGE DISPLAY.
- EQUIPPED WITH PLASTIC ORP ELECTRODE, FAST RESPONSE AND ACCURATE RESULT.
- EQUIPPED WITH ORP STANDARD SOLUTION AND PORTABLE CASE.
- SCT METER MEETS ISO9001:2000, CE STANDARDS AND WATER PROOF IP57.



TECHNICAL SPECIFICATIONS:

PRODUCT NO	SCT-108.002.02	
MODEL NO	SCT-ALLY	
CATEGORY	PRODUCT NAME	BASIC FEATURES AND SPECIFICATIONS
ORP	MEASURING RANGE (mV/ORP/Eh)	-1999mV ~ 0 ~ 1999mV
	RESOLUTION	1mV
	ACCURACY	±0.1% FS
OTHER TECHNICAL PARAMETERS	DATA STORAGE	200 GROUPS
	STORAGE CONTENT	SERIES NUMBER, MEASURING VALUE MEASURING UNIT AND TEMPERATURE,
	POWER	1.5V X 2
	SIZE AND WEIGHT	METER (65×120×31)MM/180G SUITCASE (360×270×76) MM/1.6KG
	QUALITY AND SAFETY CERTIFICATION	ISO9001:2000, CE
WORKING CONDITION	ENVIRONMENT TEMPERATURE	5 ~ 35 0.01GRADE
	ENVIRONMENTAL HUMIDITY	≤85%
	IP RATING	IP57 DUSTPROOF AND WATERPROOF

ORDERING INFORMATION:

SCT-108.002.02	SCT-ALLY	SCT ALLY PORTABLE ORP METER IS SUPPLIED WITH ORP ELECTRODE, PLASTIC ORP COMBINATION ELECTRODE, 222mV ORP STANDARD SOLUTION, SCREW DRIVER, SPARE BATTERIES, OPERATION MANUAL & CARRYING CASE
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OPTIONAL ACCESSORIES: (SELECT ONLY IF REQUIRED)

ACCESSORY CATEGORY	PRODUCT NO	DESCRIPTION
ORP COMBINATION ELECTRODE	SCT-108.002.B1	PLASTIC ORP COMBINATION ELECTRODE, SUITED FOR REGULAR ORP MEASUREMENT, 8 PIN CONNECTOR.
ELECTRODE STORAGE SOLUTION	SCT-108.002.CA	COMBINATION ELECTRODE STORAGE SOLUTION 500 ML
	SCT-108.002.CB	COMBINATION ELECTRODE STORAGE SOLUTION 250 ML
ORP STANDARD SOLUTION	SCT-108.002.DA	222 mV ORP STANDARD SOLUTION 250 ML
	SCT-108.002.DB	222 mV ORP STANDARD SOLUTION 100 ML
CARRYING CASE	SCT-108.002.KA	CARRYING CASE 360×270×76 MM

SCT PORTABLE CONDUCTIVITY / TDS / SALINITY / RESISTIVITY METER

SALIENT FEATURES:

- A COMPLETE PORTABLE SCT-METER FOR CONDUCTIVITY MEASUREMENTS.
- BUILT-IN MICROPROCESSOR CHIPS, INTELLIGENT FUNCTIONS SUCH AS AUTOMATIC CALIBRATION, AUTOMATIC TEMPERATURE COMPENSATION, DATA STORAGE, FUNCTION SET-UP, AUTOMATIC POWER-OFF AND LOW VOLTAGE DISPLAY.
- AUTOMATIC IDENTIFICATION OF 7 CONDUCTIVITY STANDARD CALIBRATION SOLUTIONS, TWO OPTIONS OF STANDARD CALIBRATION SOLUTIONS: EUROPE AND AMERICA SERIES.
- ADOPT ADVANCED CONDUCTIVITY MEASUREMENT TECHNOLOGY, USE CONDUCTIVITY ELECTRODE OF CONSTANT $K=1$, ONLY NEED ONE POINT CALIBRATION AND MEET THE MEASUREMENT PRECISION REQUIREMENT OF $0.5\text{MS}/\text{CM} \sim 200\text{MS}/\text{CM}$.
- ABILITY TO SWITCH AMONG CONDUCTIVITY, TDS, SALINITY AND RESISTIVITY. MULTINOMIAL CALCULATION FOR TDS AND SALINITY TO ENSURE THE CONVERSION PRECISION OF THE FULL SCALE.
- CONDUCTIVITY MEASUREMENT MODE HAS THE FUNCTION OF NON-LINEAR TEMPERATURE COMPENSATION FOR HIGH PURITY WATER.
- PLASTIC CONDUCTIVITY ELECTRODE WITH AUTOMATIC TEMPERATURE COMPENSATION, FAST RESPONSE AND ACCURATE RESULT.
- SCT METER MEETS ISO9001:2000, CE STANDARDS AND WATER PROOF IP57.



TECHNICAL SPECIFICATIONS:

PRODUCT NO	SCT-108.002.03	
MODEL NO	SCT-AVARI	
CATEGORY	PRODUCT NAME	BASIC FEATURES AND SPECIFICATIONS
CONDUCTIVITY	MEASURING RANGE	CONDUCTIVITY 0.00~19.99 $\mu\text{S}/\text{CM}$ 20.0~199.9 $\mu\text{S}/\text{CM}$ 200~1999 $\mu\text{S}/\text{CM}$ 2.00~19.99 mS/CM 20.0~199.9 mS/CM TDS: 0 ~ 100G/L SALINITY 0 ~ 100PPT RESISTIVITY 0 ~ 100MQ·CM
	RESOLUTION	0.01/0.1/1 $\mu\text{S}/\text{CM}$ 0.01/0.1 mS/CM
	ACCURACY	$\pm 1.0\%$ FS
	TEMP. COMPENSATION RANGE	0 ~ 50 (MANUAL)
	ELECTRODE CONSTANT	0.1 / 1 / 10 CM-1
	BENCHMARK TEMPERATURE	25 20 AND 18
OTHER TECHNICAL PARAMETERS	DATA STORAGE	200 GROUPS
	STORAGE CONTENT	SERIES NUMBER, MEASURING VALUE MEASURING UNIT AND TEMPERATURE,
	POWER	1.5V X2
	SIZE AND WEIGHT	METER(65×120×31)MM/180G SUITCASE (360×270×76)MM/1.6KG
	QUALITY AND SAFETY CERTIFICATION	ISO9001:2000, CE
WORKING CONDITION	ENVIRONMENT TEMPERATURE	5 ~ 35 0.01GRADE
	ENVIRONMENTAL HUMIDITY	$\leq 85\%$
	IP RATING	IP57 DUST PROOF AND WATERPROOF

ORDERING INFORMATION:

SCT-108.002.03	SCT-AVARI	SCT AVARI CONDUCTIVITY METER IS SUPPLIED WITH PLASTIC CONDUCTIVITY ELECTRODE, 1413 $\mu\text{S}/\text{CM}$ CONDUCTIVITY STANDARD SOLUTION, SCREW DRIVER, SPARE BATTERIES, OPERATION MANUAL & CARRYING CASE
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OPTIONAL ACCESSORIES: (SELECT ONLY IF REQUIRED)

ACCESSORY CATEGORY	PRODUCT NO	DESCRIPTION
CONDUCTIVITY ELECTRODE	SCT-108.002.C1	PLASTIC CONDUCTIVITY ELECTRODE, $K=1.0\text{CM}^{-1}$ ATC, SUITED FOR CONDUCTIVITY MEASUREMENT OF GENERAL WATER SOLUTION, 8 PIN CONNECTOR.
CONDUCTIVITY STANDARD	SCT-108.002.BA	84 $\mu\text{S}/\text{CM}$ CONDUCTIVITY STANDARD 500 ML
	SCT-108.002.BB	84 $\mu\text{S}/\text{CM}$ CONDUCTIVITY STANDARD 250 ML
	SCT-108.002.BD	1413 $\mu\text{S}/\text{CM}$ CONDUCTIVITY STANDARD 500 ML
	SCT-108.002.BE	1413 $\mu\text{S}/\text{CM}$ CONDUCTIVITY STANDARD 250 ML
	SCT-108.002.BG	12.88 mS/CM CONDUCTIVITY STANDARD 500 ML
	SCT-108.002.BH	12.88 mS/CM CONDUCTIVITY STANDARD 250 ML
CARRYING CASE	SCT-108.002.KA	CARRYING CASE 255×210×50MM

SCT PORTABLE DO (DISSOLVED OXYGEN) METER

SALIENT FEATURES:

- A COMPLETE PORTABLE SCT-METER FOR DISSOLVED OXYGEN MEASUREMENTS.
- MEASUREMENT MODE OF DISSOLVED OXYGEN HAS THE FUNCTION OF AUTOMATIC TEMPERATURE COMPENSATION, AUTOMATIC SALINITY COMPENSATION AND MANUAL AIR PRESSURE COMPENSATION.
- NEW POLAROGRAPHIC TYPE DISSOLVED OXYGEN ELECTRODE CAN MEASURE TEMPERATURE, SALINITY AND DISSOLVED OXYGEN SIMULTANEOUSLY, EQUIPPED WITH SPECIAL DISSOLVED OXYGEN ELECTRODE CALIBRATION SET, POLARIZATION ONLY FOR 3~5 MIN.
- BUILT-IN MICROPROCESSOR CHIPS, INTELLIGENT FUNCTIONS SUCH AS AUTOMATIC CALIBRATION, DATA STORAGE, FUNCTION SET-UP, AUTOMATIC POWER-OFF AND LOW VOLTAGE DISPLAY.
- COMBINED DIAPHRAGM CAP, REPLACEABLE SENSITIVE MEMBRANE, SCREW NEW DIAPHRAGM CAP TO ELECTRODE, EASY TO USE.
- SCT METER MEETS ISO9001:2000, CE STANDARDS AND WATER PROOF IP57.



TECHNICAL SPECIFICATIONS:

PRODUCT NO	SCT-108.002.04	
MODEL NO	SCT-BEA	
CATEGORY	PRODUCT NAME	BASIC FEATURES AND SPECIFICATIONS
DISSOLVED OXYGEN	MEASURING RANGE	0 ~ 40.00 MG/L (PPM) 0 ~ 200.0 %
	RESOLUTION	0.1/0.01 MG/L (PPM) 1/0.1 %
	ACCURACY	±0.10 MG/L
	RESPONSE TIME	≤30 S 25°C , 90%RESPONSE
	RESIDUAL CURRENT	≤0.1 MG/L
	TEMP. COMPENSATION RANGE	0 ~ 45 (AUTOMATIC)
	SALINITY COMPENSATION RANGE	0 ~ 45 PPT(AUTOMATIC)
	ATMOSPHERIC PRESSURE COMPENSATION RANGE	66 ~ 200 KPA (MANUAL)
	AUTOMATIC CALIBRATION	AIR SATURATED BY WATER; WATER SATURATED BY AIR
OTHER TECHNICAL PARAMETERS	ELECTRODE TYPE	POLAROGRAPH TYPE
	DATA STORAGE	200 GROUPS
	STORAGE CONTENT	SERIES NUMBER, MEASURING VALUE MEASURING UNIT AND TEMPERATURE,
	POWER	1.5V X 2
	SIZE AND WEIGHT	(65×120×31)MM/180G SUITCASE (360×270×76)MM/1.6KG
WORKING CONDITION	QUALITY AND SAFETY CERTIFICATION	ISO9001:2000, CE
	ENVIRONMENT TEMPERATURE	5 ~ 35 0.01GRADE
	ENVIRONMENTAL HUMIDITY	≤85%
	IP RATING	IP57 DUSTPROOF AND WATERPROOF

ORDERING INFORMATION:

SCT-108.002.04	SCT-BEA	SCT BEA DO METER IS SUPPLIED WITH DO ELECTRODE, MEMBRANE CAP (DO ELECTRODE USE), DO ELECTRODE INNER SOLUTION CATHODE POLISHING PAPER, SCREW DRIVER, SPARE BATTERIES, OPERATION MANUAL & CARRYING CASE
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OPTIONAL ACCESSORIES: (SELECT ONLY IF REQUIRED)

ACCESSORY CATEGORY	PRODUCT NO	DESCRIPTION
DO ELECTRODE	SCT-108.002.D1	DO ELECTRODE, POLAROGRAPHIC DO ELECTRODE, SUITED FOR APPLICATION IN LAB AND FIELD, 8 PIN CONNECTOR.
DO ELECTRODE ACCESSORY	SCT-108.002.D2	DO ELECTRODE MEMBRANE CAP, COMBINED MEMBRANE CAP, SPECIAL FOR DO ELECTRODE, SPECIFICATION: 3 UNITS PER GROUP.
	SCT-108.002.IA	DO ELECTRODE ELECTROLYTE, SUPPLEMENT ELECTROLYTE, SPECIAL FOR DO ELECTRODE, SPECIFICATION: 30ML/BOTTLE.
	SCT-108.002.IB	NEGATIVE ELECTRODE POLISHING PAPER, POLISHING PAPER SPECIAL FOR CLEANING NEGATIVE ELECTRODE, 2 PCS/PACK.
CARRYING CASE	SCT-108.002.KA	CARRYING CASE 255×210×50 MM

SCT PORTABLE pH/ORP / TEMP METER

SALIENT FEATURES:

- A COMPLETE PORTABLE SCT METER FOR pH & ORP MEASUREMENTS.
- BUILT-IN MICROPROCESSOR CHIPS, INTELLIGENT FUNCTIONS SUCH AS AUTOMATIC CALIBRATION, AUTOMATIC TEMPERATURE COMPENSATION, DATA STORAGE, FUNCTION SET-UP, SELF-DIAGNOSE INFORMATION, AUTOMATIC POWER-OFF AND LOW VOLTAGE DISPLAY.
- DOUBLE-PARAMETER METER, EQUIPPED WITH THREE-IN-ONE COMBINATION pH ELECTRODE AND ORP ELECTRODE, AUTOMATIC IDENTIFICATION OF ELECTRODE BY METER.
- AUTOMATIC IDENTIFICATION OF 12 pH STANDARD CALIBRATION SOLUTIONS, THREE OPTIONS OF STANDARD BUFFER SOLUTIONS: EUROPE, AMERICA SERIES & NIST SERIES.
- ABLE TO SET pH MEASUREMENT MODES OF HIGH PURITY WATER AND PURE WATER WITH AMMONIA
- SCT METER MEETS ISO9001:2000, CE STANDARDS AND WATER PROOF IP57.



TECHNICAL SPECIFICATIONS:

PRODUCT NO	SCT-108.002.05	
MODEL NO	SCT-BUCK	
CATEGORY	PRODUCT NAME	BASIC FEATURES AND SPECIFICATIONS
pH	MEASURING RANGE	-2.00 ~ 19.99 pH
	RESOLUTION	0.1/0.01 pH
	ACCURACY	±0.01pH
	INPUT CURRENT	≤2×10 ⁻¹² A
	INPUT IMPEDANCE	≥1×10 ¹² Ω
	STABILITY	±0.01 pH/3H
ORP	TEMP. COMPENSATION RANGE	0 ~ 100 (AUTOMATIC)
	MEASURING RANGE (mV/ORP/EH)	-1999mV ~ 0 ~ 1999mV
	RESOLUTION	1mV
	ACCURACY	±0.1% FS
OTHER TECHNICAL PARAMETERS	DATA STORAGE	200 GROUPS
	STORAGE CONTENT	SERIES NUMBER, MEASURING VALUE MEASURING UNIT AND TEMPERATURE,
	POWER	1.5V X 2
	SIZE AND WEIGHT	METER (65×120×31)MM/180G SUITCASE (360×270×76)MM/1.6KG
	QUALITY AND SAFETY CERTIFICATION	ISO9001:2000, CE
WORKING CONDITION	ENVIRONMENT TEMPERATURE	5 ~ 35 0.01GRADE
	ENVIRONMENTAL HUMIDITY	≤85%
	IP RATING	IP57 DUSTPROOF AND WATERPROOF

ORDERING INFORMATIONS:

SCT-108.002.05	SCT-BUCK	SCT BUCK pH/ORP METER IS SUPPLIED WITH PLASTIC PH/ATC THREE-IN-ONE COMBINED ELECTRODE, PLASTIC ORP COMBINED ELECTRODE, pH STANDARD BUFFER SOLUTION, 220mV ORP STANDARD SOLUTION, SCREW DRIVER, SPARE BATTERIES, OPERATION MANUAL & CARRYING CASE
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OPTIONAL ACCESSORIES: (SELECT ONLY IF REQUIRED)

ACCESSORY CATEGORY	PRODUCT NO.	DESCRIPTION
pH COMBINATION ELECTRODE	SCT-108.002.A1	PLASTIC THREE-IN-ONE pH ELECTRODE, MEASURE pH AND TEMPERATURE SIMULTANEOUSLY, ATC, SUITED FOR GENERAL pH MEASUREMENT, 8 PIN CONNECTOR.
ORP COMBINATION ELECTRODE	SCT-108.002.B1	PLASTIC ORP COMBINATION ELECTRODE, SUITED FOR GENERAL ORP MEASUREMENT, 8 PIN CONNECTOR.
pH BUFFER	SCT-108.002.AA	pH4.00 BUFFER 500 ML
	SCT-108.002.AB	pH4.00 BUFFER 250 ML
	SCT-108.002.AG	pH7.00 BUFFER 500 ML
	SCT-108.002.AH	pH7.00 BUFFER 250 ML
	SCT-108.002.AM	pH10.01 BUFFER 500 ML
	SCT-108.002.AN	pH10.01 BUFFER 250 ML
ELECTRODE STORAGE SOLUTION	SCT-108.002.CA	pH (ORP) COMBINATION ELECTRODE STORAGE SOLUTION 500 ML
	SCT-108.002.CB	pH (ORP) COMBINATION ELECTRODE STORAGE SOLUTION 250 ML
ORP STANDARD SOLUTION	SCT-108.002.DA	222 mV ORP STANDARD SOLUTION 250 ML
	SCT-108.002.DB	222 mV ORP STANDARD SOLUTION 100 ML
CARRYING CASE	SCT-108.002.KB	CARRYING CASE 360×270×76 MM

SCT PORTABLE pH / CONDUCTIVITY / TDS / SALINITY / RESISTIVITY METER

SALIENT FEATURES:

- A COMPLETE PORTABLE SCT METER FOR pH, CONDUCTIVITY / TDS / SALINITY / RESISTIVITY MEASUREMENTS.
- DOUBLE-PARAMETER METER, EQUIPPED WITH pH ELECTRODE AND CONDUCTIVITY ELECTRODE, AUTOMATIC IDENTIFICATION OF ELECTRODE BY METER.
- BUILT-IN MICROPROCESSOR CHIPS, INTELLIGENT FUNCTIONS SUCH AS AUTOMATIC CALIBRATION, AUTOMATIC TEMPERATURE COMPENSATION, DATA STORAGE, FUNCTION SET-UP, SELF-DIAGNOSE INFORMATION, AUTOMATIC POWER-OFF AND LOW VOLTAGE DISPLAY.
- AUTOMATIC IDENTIFICATION OF 12 pH STANDARD BUFFER SOLUTIONS, THREE OPTIONS OF STANDARD BUFFER SOLUTIONS: EUROPE AND AMERICA SERIES & NIST SERIES
- ABLE TO SET pH MEASUREMENT MODES OF HIGH PURITY WATER AND PURE WATER WITH AMMONIA.
- AUTOMATIC IDENTIFICATION OF 7 CONDUCTIVITY STANDARD CALIBRATION SOLUTIONS, TWO OPTIONS OF STANDARD CALIBRATION SOLUTIONS: EUROPE AND AMERICA SERIES.
- ADOPT ADVANCED CONDUCTIVITY MEASUREMENT TECHNOLOGY, USE CONDUCTIVITY ELECTRODE OF CONSTANT K=1, ONLY NEED ONE POINT CALIBRATION AND MEET THE MEASUREMENT PRECISION REQUIREMENT OF 0.5MS/CM ~ 200 MS/CM.
- ABILITY TO SWITCH AMONG CONDUCTIVITY, TDS, SALINITY AND RESISTIVITY. MULTINOMIAL CALCULATION FOR TDS AND SALINITY TO ENSURE THE CONVERSION PRECISION OF THE FULL SCALE.
- CONDUCTIVITY MEASUREMENT MODE HAS THE FUNCTION OF NON-LINEAR TEMPERATURE COMPENSATION FOR HIGH PURITY WATER.
- SCT METER MEETS ISO9001:2000, CE STANDARDS AND WATER PROOF IP57.



TECHNICAL SPECIFICATIONS:

PRODUCT NO	SCT-108.002.06	
MODEL NO	SCT-BONO	
CATEGORY	PRODUCT NAME	BASIC FEATURES AND SPECIFICATIONS
pH	MEASURING RANGE	-2.00 ~ 19.99 pH
	RESOLUTION	0.1/0.01 PH
	ACCURACY	±0.01pH
	INPUT CURRENT	≤2×10 ⁻¹² A
	INPUT IMPEDANCE	≥1×10 ¹² Ω
	STABILITY	±0.01 pH/3H
CONDUCTIVITY	TEMP. COMPENSATION RANGE	0 ~ 100 (AUTOMATIC)
	MEASURING RANGE	CONDUCTIVITY 0.00~19.99 μS/CM 20.0~199.9 μS/CM 200~1999 μS/CM 2.00~19.99 mS/CM 20.0~199.9 mS/CM TDS: 0 ~ 100G/L SALINITY: 0 ~ 100 PPT RESISTIVITY: 0 ~ 100 MΩ·CM
	RESOLUTION	0.01/0.1/1μS/CM 0.01/0.1 mS/CM
	ACCURACY	±1.0% FS
	TEMP. COMPENSATION RANGE	0 ~ 50 (MANUAL)
	ELECTRODE CONSTANT	0.1 / 1 / 10 CM-1
OTHER TECHNICAL PARAMETERS	BENCHMARK TEMPERATURE	25 20 AND 18
	DATA STORAGE	200 GROUPS
	STORAGE CONTENT	SERIES NUMBER, MEASURING VALUE MEASURING UNIT AND TEMPERATURE,
	POWER	1.5V X 2
	SIZE AND WEIGHT	METER (65×120×31)MM/180G SUITCASE (360×270×76)MM/1.6KG
WORKING CONDITION	QUALITY AND SAFETY CERTIFICATION	ISO9001:2000, CE
	ENVIRONMENT TEMPERATURE	5 ~ 35 0.01GRADE
	ENVIRONMENTAL HUMIDITY	≤85%
	IP RATING	IP57 DUSTPROOF AND WATERPROOF

ORDERING INFORMATION:

SCT-108.002.06	SCT-BONO	SCTBONO pH/CONDUCTIVITY METER IS SUPPLIED WITH PLASTIC pH/ATC THREE-IN-ONE COMBINED ELECTRODE, PLASTIC CONDUCTIVITY ELECTRODE, pH STANDARD BUFFER SOLUTION, 1413μS/CM CONDUCTIVITY STANDARD SOLUTION, SCREW DRIVER, SPARE BATTERIES, OPERATION MANUAL & CARRYING CASE.
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OPTIONAL ACCESSORIES: (SELECT ONLY IF REQUIRED)

ACCESSORY CATEGORY	PRODUCT NO	DESCRIPTION
pH COMBINATION ELECTRODE	SCT-108.002.A1	PLASTIC THREE-IN-ONE pH ELECTRODE, MEASURE pH AND TEMPERATURE SIMULTANEOUSLY, ATC, SUITED FOR GENERAL pH MEASUREMENT, 8 PIN CONNECTOR.
CONDUCTIVITY ELECTRODE	SCT-108.002.C1	PLASTIC CONDUCTIVITY ELECTRODE, K=1.0 CM-1 ATC, SUITED FOR CONDUCTIVITY MEASUREMENT OF GENERAL WATER SOLUTION, 8 PIN CONNECTOR.

PH BUFFER	SCT-108.002.AA	pH4.00 BUFFER 500 ML
	SCT-108.002.AB	pH4.00 BUFFER 250 ML
	SCT-108.002.AG	pH7.00 BUFFER 500 ML
	SCT-108.002.AH	pH7.00 BUFFER 250 ML
	SCT-108.002.AM	pH10.01 BUFFER 500 ML
	SCT-108.002.AN	pH10.01 BUFFER 250 ML
CONDUCTIVITY STANDARD	SCT-108.002.BA	84 μ S/CM CONDUCTIVITY STANDARD 500 ML
	SCT-108.002.BB	84 μ S/CM CONDUCTIVITY STANDARD 250 ML
	SCT-108.002.BD	1413 μ S/CM CONDUCTIVITY STANDARD 500 ML
	SCT-108.002.BE	1413 μ S/CM CONDUCTIVITY STANDARD 250 ML
	SCT-108.002.BG	12.88 mS/CM CONDUCTIVITY STANDARD 500 ML
	SCT-108.002.BH	12.88 mS/CM CONDUCTIVITY STANDARD 250 ML
ELECTRODE STORAGE SOLUTION	SCT-108.002.CA	pH, ORP COMBINATION ELECTRODE STORAGE SOLUTION 500 ML
	SCT-108.002.CB	pH, ORP COMBINATION ELECTRODE STORAGE SOLUTION 250 ML
CARRYING CASE	SCT-108.002.KB	CARRYING CASE 360×270×76 MM

SCT PORTABLE pH / ORP / DISSOLVED OXYGEN METER

SALIENT FEATURES:

- A COMPLETE PORTABLE SCT-METER FOR pH, ORP AND DISSOLVED OXYGEN MEASUREMENTS.
- BUILT-IN MICROPROCESSOR CHIPS, INTELLIGENT FUNCTIONS SUCH AS AUTOMATIC CALIBRATION, AUTOMATIC TEMPERATURE COMPENSATION, DATA STORAGE, FUNCTION SET-UP, SELF-DIAGNOSE INFORMATION, AUTOMATIC POWER-OFF AND LOW VOLTAGE DISPLAY.
- DOUBLE-PARAMETER METER, EQUIPPED WITH pH ELECTRODE AND DISSOLVED OXYGEN ELECTRODE, AUTOMATIC IDENTIFICATION OF ELECTRODE BY METER.
- AUTOMATIC IDENTIFICATION OF 12 pH STANDARD BUFFER SOLUTIONS, THREE OPTIONS OF STANDARD BUFFER SOLUTIONS: EUROPE AND AMERICA SERIES & NIST SERIES.
- ABLE TO SET pH MEASUREMENT MODES OF HIGH PURITY WATER AND PURE WATER WITH AMMONIA.
- MEASUREMENT MODE OF DISSOLVED OXYGEN HAS THE FUNCTION OF AUTOMATIC TEMPERATURE COMPENSATION, AUTOMATIC SALINITY COMPENSATION AND MANUAL AIR PRESSURE COMPENSATION.
- NEW POLAROGRAPHIC TYPE DISSOLVED OXYGEN ELECTRODE CAN MEASURE TEMPERATURE, SALINITY AND DISSOLVED OXYGEN SIMULTANEOUSLY, EQUIPPED WITH SPECIAL DISSOLVED OXYGEN ELECTRODE CALIBRATION SET, POLARIZATION ONLY FOR 3~5 MIN.
- SCT METER MEETS ISO9001:2000, CE STANDARDS AND WATER PROOF IP57.



TECHNICAL SPECIFICATIONS:

PRODUCT NO	SCT-108.002.07	
MODEL NO	SCT-BUD	
CATEGORY	PRODUCT NAME	BASIC FEATURES AND SPECIFICATIONS
pH	MEASURING RANGE	-2.00 ~ 19.99 pH
	RESOLUTION	0.1/0.01 pH
	ACCURACY	±0.01 pH
	INPUT CURRENT	≤2×10 ⁻¹² A
	INPUT IMPEDANCE	≥1×10 ¹² Ω
	STABILITY	±0.01 pH/3H
ORP	TEMP. COMPENSATION RANGE	0 ~ 100 (AUTOMATIC)
	MEASURING RANGE (mV/ORP)	-1999mV ~ 0 ~ 1999mV
	RESOLUTION	1mV
DISSOLVED OXYGEN	ACCURACY	±0.1% FS
	MEASURING RANGE	0 ~ 40.00MG/L (PPM) 0 ~ 200.0%
	RESOLUTION	0.1/0.01 MG/L (PPM) 1/0.1 %
	ACCURACY	±0.10 MG/L
	RESPONSE TIME	≤30 S25, 90%RESPONSE
	RESIDUAL CURRENT	≤0.1 MG/L
	TEMP. COMPENSATION RANGE	0 ~ 45 (AUTOMATIC)
	SALINITY COMPENSATION RANGE	0 ~ 45 PPT(AUTOMATIC)
	ATMOSPHERIC PRESSURE COMPENSATION RANGE	66 ~ 200 KPA (MANUAL)
	AUTOMATIC CALIBRATION	AIR SATURATED BY WATER; WATER SATURATED BY AIR
OTHER TECHNICAL PARAMETERS	ELECTRODE TYPE	POLAROGRAPH TYPE
	DATA STORAGE	200 GROUPS
	STORAGE CONTENT	SERIES NUMBER, MEASURING VALUE MEASURING UNIT AND TEMPERATURE
	POWER	1.5V X 2
	SIZE AND WEIGHT	METER (65×120×31)MM/180G SUITCASE (360×270×76)MM/1.6KG
WORKING CONDITION	QUALITY AND SAFETY CERTIFICATION	ISO9001:2000, CE
	ENVIRONMENT TEMPERATURE	5 ~ 35 0.01GRADE
	ENVIRONMENTAL HUMIDITY	≤85%
	IP RATING	IP57 DUSTPROOF AND WATERPROOF

ORDERING INFORMATIONS:

SCT-108.002.07	SCT-BUD	SCT BUD pH / mV / DO METER IS SUPPLIED WITH PLASTIC PH/ATC THREE-IN-ONE COMBINED ELECTRODE, DO ELECTRODE, PH STANDARD BUFFER SOLUTION, MEMBRANE CAP, DO ELECTRODE INNER SOLUTION, CATHODE POLISHING PAPER, SCREW DRIVER, SPARE BATTERIES, OPERATION MANUAL AND CARRYING CASE.
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* PLS NOTE: ORP ELECTRODE AND ORP SOLUTIONS ARE NOT INCLUDED MUST BE PURCHASED SEPARATELY. PLEASE SELECT FROM THE OPTIONAL ACCESSORIES BELOW:

OPTIONAL ACCESSORIES: (SELECT ONLY IF REQUIRED)

ACCESSORY CATEGORY	PRODUCT NO	DESCRIPTION
pH COMBINATION ELECTRODE	SCT-108.002.A1	PLASTIC THREE-IN-ONE pH ELECTRODE MEASURE pH AND TEMPERATURE SIMULTANEOUSLY, ATC, SUITED FOR GENERAL pH MEASUREMENT, 8 PIN CONNCTOR.
ORP COMBINATION ELECTRODE	SCT-108.002.B1	PLASTIC ORP COMBINATION ELECTRODE SUITED FOR GENERAL ORP MEASUREMENT, 8 PIN CONNECTOR.
DO ELECTRODE	SCT-108.002.D1	DO ELECTRODE, POLAROGRAPHIC DO ELECTRODE, SUITED FOR APPLICATION IN LAB AND FIELD, 8 PIN CONNECTOR.
DO ELECTRODE ACCESSORY	SCT-108.002.D2	DO ELECTRODE MEMBRANE CAP, COMBINED MEMBRANE CAP, SPECIAL FOR DO ELECTRODE, SPECIFICATION: 3 UNITS PER GROUP.
	SCT-108.002.IA	DO ELECTRODE ELECTROLYTE, SUPPLEMENT ELECTROLYTE, SPECIAL FOR DO ELECTRODE, SPECIFICATION: 30ML/BOTTLE.
	SCT-108.002.IB	NEGATIVE ELECTRODE POLISHING PAPER, POLISHING PAPER SPECIAL FOR CLEANING NEGATIVE ELECTRODE OF DO ELECTRODE, SPECIFICATION: 2 PCS/GROUP.
PH BUFFER	SCT-108.002.AA	pH4.00 BUFFER 500 ML
	SCT-108.002.AB	pH4.00 BUFFER 250 ML
	SCT-108.002.AG	pH7.00 BUFFER 500 ML
	SCT-108.002.AH	pH7.00 BUFFER 250 ML
	SCT-108.002.AM	pH10.01 BUFFER 500 ML
	SCT-108.002.AN	pH10.01 BUFFER 250 ML
ELECTRODE STORAGE SOLUTION	SCT-108.002.CA	pH ORP COMBINATION ELECTRODE STORAGE SOLUTION 500 ML
	SCT-108.002.CB	pH ORP COMBINATION ELECTRODE STORAGE SOLUTION 250 ML
ORP STANDARD SOLUTION	SCT-108.002.DA	222 mV ORP STANDARD SOLUTION 250 ML
	SCT-108.002.DB	222 mV ORP STANDARD SOLUTION 100 ML
CARRYING CASE	SCT-108.002.KB	CARRYING CASE 360×270×76 MM

SCT PORTABLE CONDUCTIVITY / TDS / SALINITY / RESISTIVITY / DISSOLVED OXYGEN / TEMP METER

SALIENT FEATURES:

- A COMPLETE PORTABLE SCT-METER FOR CONDUCTIVITY AND DISSOLVED OXYGEN MEASUREMENTS.
- DOUBLE-PARAMETER METER, EQUIPPED WITH CONDUCTIVITY ELECTRODE AND DISSOLVED OXYGEN ELECTRODE, AUTOMATIC IDENTIFICATION OF ELECTRODE BY METER.
- BUILT-IN MICROPROCESSOR CHIPS, INTELLIGENT FUNCTIONS SUCH AS AUTOMATIC CALIBRATION, AUTOMATIC TEMPERATURE COMPENSATION, DATA STORAGE, FUNCTION SET-UP, AUTOMATIC POWER-OFF AND LOW VOLTAGE DISPLAY.
- AUTOMATIC IDENTIFICATION OF 7 CONDUCTIVITY STANDARD CALIBRATION SOLUTIONS, TWO OPTIONS OF STANDARD CALIBRATION SOLUTIONS: EUROPE AND AMERICA SERIES.
- ADOPT ADVANCED CONDUCTIVITY MEASUREMENT TECHNOLOGY, USE CONDUCTIVITY ELECTRODE OF CONSTANT K=1, ONLY NEED ONE POINT CALIBRATION AND MEET THE MEASUREMENT PRECISION REQUIREMENT OF 0.5MS/CM ~ 200 MS/CM.
- ABILITY TO SWITCH AMONG CONDUCTIVITY, TDS, SALINITY AND RESISTIVITY. MULTINOMIAL CALCULATION FOR TDS AND SALINITY TO ENSURE THE CONVERSION PRECISION OF THE FULL SCALE.
- CONDUCTIVITY MEASUREMENT MODE HAS THE FUNCTION OF NON-LINEAR TEMPERATURE COMPENSATION FOR HIGH PURITY WATER.
- MEASUREMENT MODE OF DISSOLVED OXYGEN HAS THE FUNCTION OF AUTOMATIC TEMPERATURE COMPENSATION, AUTOMATIC SALINITY COMPENSATION AND MANUAL AIR PRESSURE COMPENSATION.
- NEW POLAROGRAPHIC TYPE DISSOLVED OXYGEN ELECTRODE CAN MEASURE TEMPERATURE, SALINITY AND DISSOLVED OXYGEN SIMULTANEOUSLY, EQUIPPED WITH SPECIAL DISSOLVED OXYGEN ELECTRODE CALIBRATION SET, POLARIZATION ONLY FOR 3~5 MIN.
- SCT METER MEETS ISO9001:2000, CE STANDARDS AND WATER PROOF IP57.



TECHNICAL SPECIFICATIONS:

PRODUCT NO	SCT-108.002.08	
MODEL NO	SCT-CADE	
CATEGORY	PRODUCT NAME	BASIC FEATURES AND SPECIFICATIONS
CONDUCTIVITY	MEASURING RANGE	CONDUCTIVITY 0.00~19.99 μ S/CM 20.0~199.9 μ S/CM 200~1999 μ S/CM 2.00~19.99 mS/CM 20.0~199.9 mS/CM TDS: 0 ~ 100 G/L SALINITY: 0 ~ 100 PPT RESISTIVITY: 0 ~ 100 M Ω -CM
	RESOLUTION	0.01/0.1/1 μ S/CM 0.01/0.1 mS/CM
	ACCURACY	±1.0% FS
	TEMP. COMPENSATION RANGE	0 ~ 50 (MANUAL)
	ELECTRODE CONSTANT	0.1 / 1 / 10 CM-1
	BENCHMARK TEMPERATURE	25, 20 AND 18
DISSOLVED OXYGEN	MEASURING RANGE	0 ~ 40.00 MG/L(PPM) 0 ~ 200.0 %
	RESOLUTION	0.1/0.01 MG/L(PPM) 1/0.1 %
	ACCURACY	±0.10 MG/L
	RESPONSE TIME	≤30 S 25 , 90%RESPONSE
	RESIDUAL CURRENT	≤0.1 MG/L
	TEMP. COMPENSATION RANGE	0 ~ 45 (AUTOMATIC)
	SALINITY COMPENSATION RANGE	0 ~ 45 PPT(AUTOMATIC)
	ATMOSPHERIC PRESSURE COMPENSATION RANGE	66 ~ 200 KPA (MANUAL)
OTHER TECHNICAL PARAMETERS	AUTOMATIC CALIBRATION	AIR SATURATED BY WATER; WATER SATURATED BY AIR
	ELECTRODE TYPE	POLAROGRAPH TYPE
	DATA STORAGE	200 GROUPS
	STORAGE CONTENT	SERIES NUMBER, MEASURING VALUE MEASURING UNIT AND TEMPERATURE,
	POWER	1.5V X 2
WORKING CONDITION	SIZE AND WEIGHT	METER (65×120×31)MM/180G SUITCASE (360×270×76) MM/1.6KG
	QUALITY AND SAFETY CERTIFICATION	ISO9001:2000, CE
	ENVIRONMENT TEMPERATURE	5 ~ 35 0.01GRADE
	ENVIRONMENTAL HUMIDITY	≤85%
	IP RATING	IP57 DUSTPROOF AND WATERPROOF

ORDERING INFORMATION:

SCT-108.002.08	SCT-CADE	SCT CADE CONDUCTIVITY/TDS/SALINITY/RESISTIVITY/DO/TEMP METER IS SUPPLIED WITH PLASTIC CONDUCTIVITY ELECTRODE, DO ELECTRODE,1413 μ S/CM CONDUCTIVITY STANDARD SOLUTION, MEMBRANE CAP (DO ELECTRODE USE), DO ELECTRODE INNER SOLUTION,CATHODE POLISHING PAPER,SCREW DRIVER,SPARE BATTERIES, OPERATION MANUAL AND CARRYING CASE
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OPTIONAL ACCESSORIES: (SELECT ONLY IF REQUIRED)

ACCESSORY CATEGORY	PRODUCT NO	DESCRIPTION
CONDUCTIVITY ELECTRODE	SCT-108.002.C1	PLASTIC CONDUCTIVITY ELECTRODE K=1.0 CM-1 ATC, SUITED FOR CONDUCTIVITY MEASUREMENT OF GENERAL WATER SOLUTION, 8 PIN CONNECTOR.
DO ELECTRODE	SCT-108.002.D1	DO ELECTRODE, POLAROGRAPHIC DO ELECTRODE, SUITED FOR APPLICATION IN LAB AND FIELD, 8 PIN CONNECTOR.
DO ELECTRODE ACCESSORY	SCT-108.002.D2	DO ELECTRODE MEMBRANE CAP, COMBINED MEMBRANE CAP, SPECIAL FOR DO ELECTRODE, SPECIFICATION: 3 UNITS PER GROUP.
	SCT-108.002.IA	DO ELECTRODE ELECTROLYTE, SUPPLEMENT ELECTROLYTE, SPECIAL FOR DO ELECTRODE, SPECIFICATION: 30ML/BOTTLE.
	SCT-108.002.IB	NEGATIVE ELECTRODE POLISHING PAPER, POLISHING PAPER SPECIAL FOR CLEANING NEGATIVE ELECTRODE OF DO ELECTRODE, SPECIFICATION:2 PCS/GROUP.
CONDUCTIVITY STANDARD	SCT-108.002.BA	84 μ S/CM CONDUCTIVITY STANDARD 500 ML
	SCT-108.002.BB	84 μ S/CM CONDUCTIVITY STANDARD 250 ML
	SCT-108.002.BD	1413 μ S/CM CONDUCTIVITY STANDARD 500 ML
	SCT-108.002.BE	1413 μ S/CM CONDUCTIVITY STANDARD 250 ML
	SCT-108.002.BG	12.88 mS/CM CONDUCTIVITY STANDARD 500 ML
	SCT-108.002.BH	12.88 mS/CM CONDUCTIVITY STANDARD 250 ML
CARRYING CASE	SCT-108.002.KB	CARRYING CASE 360×270×76 MM

SCT PORTABLE pH/ORP/CONDUCTIVITY/TDS/SALINITY/RESISTIVITY/TEMP METER

SALIENT FEATURES:

- A COMPLETE PORTABLE SCT-METER FOR pH, ORP AND CONDUCTIVITY MEASUREMENTS.
- MULTI-PARAMETER METER, EQUIPPED WITH pH ELECTRODE, ORP ELECTRODE AND CONDUCTIVITY ELECTRODE, AUTOMATIC IDENTIFICATION OF ELECTRODE BY METER.
- BUILT-IN MICROPROCESSOR CHIPS, INTELLIGENT FUNCTIONS SUCH AS AUTOMATIC CALIBRATION, AUTOMATIC TEMPERATURE COMPENSATION, DATA STORAGE, FUNCTION SET-UP, SELF-DIAGNOSE INFORMATION, AUTOMATIC POWER-OFF AND LOW VOLTAGE DISPLAY.
- AUTOMATIC IDENTIFICATION OF 12 pH STANDARD BUFFER SOLUTIONS, THREE OPTIONS OF STANDARD BUFFER SOLUTIONS: EUROPE AND AMERICA SERIES & NIST SERIES
- ABLE TO SET pH MEASUREMENT MODES OF HIGH PURITY WATER AND PURE WATER WITH AMMONIA.
- AUTOMATIC IDENTIFICATION OF 7 CONDUCTIVITY STANDARD CALIBRATION SOLUTIONS, TWO OPTIONS OF STANDARD CALIBRATION SOLUTIONS: EUROPE AND AMERICA SERIES.
- ADOPT ADVANCED CONDUCTIVITY MEASUREMENT TECHNOLOGY, USE CONDUCTIVITY ELECTRODE OF CONSTANT K=1, ONLY NEED ONE POINT CALIBRATION AND MEET THE MEASUREMENT PRECISION REQUIREMENT OF 0.5MS/CM ~ 200 MS/CM.
- ABILITY TO SWITCH AMONG CONDUCTIVITY, TDS, SALINITY AND RESISTIVITY. MULTINOMIAL CALCULATION FOR TDS AND SALINITY TO ENSURE THE CONVERSION PRECISION OF THE FULL SCALE.
- CONDUCTIVITY MEASUREMENT MODE HAS THE FUNCTION OF NON-LINEAR TEMPERATURE COMPENSATION FOR HIGH PURITY WATER.
- SCT METER MEETS ISO9001:2000, CE STANDARDS AND WATER PROOF IP57.



TECHNICAL SPECIFICATIONS:

PRODUCT NO	SCT-108.002.09	
MODEL NO	SCT-CADY	
CATEGORY	PRODUCT NAME	BASIC FEATURES AND SPECIFICATIONS
pH	MEASURING RANGE	-2.00 ~ 19.99 pH
	RESOLUTION	0.1/0.01 pH
	ACCURACY	±0.01 pH
	INPUT CURRENT	≤2×10 ⁻¹² A
	INPUT IMPEDANCE	≥1×10 ¹² Ω
	STABILITY	±0.01 pH/3H
ORP	TEMP. COMPENSATION RANGE	0 ~ 100 (AUTOMATIC)
	MEASURING RANGE (mV/ORP)	-1999mV ~ 0 ~ 1999mV
	RESOLUTION	1mV
CONDUCTIVITY	ACCURACY	±0.1% FS
	MEASURING RANGE	CONDUCTIVITY 0.00~19.99 μS/CM 20.0~199.9 μS/CM 200~1999μS/CM 2.00~19.99 mS/CM 20.0~199.9 mS/CM TDS: 0 ~ 100 G/L SALINITY: 0 ~ 100 PPT RESISTIVITY: 0 ~ 100 MΩ·CM
	RESOLUTION	0.01/0.1/1mS/CM 0.01/0.1 mS/CM
	ACCURACY	±1.0% FS
	TEMP. COMPENSATION RANGE	0 ~ 50 (MANUAL)
	ELECTRODE CONSTANT	0.1 / 1 / 10 CM-1
OTHER TECHNICAL PARAMETERS	BENCHMARK TEMPERATURE	25 20 AND 18
	DATA STORAGE	200 GROUPS
	STORAGE CONTENT	SERIES NUMBER, MEASURING VALUE MEASURING UNIT AND TEMPERATURE,
	POWER	1.5V X 2
	SIZE AND WEIGHT	METER (65×120×31)MM/180G SUITCASE (360×270×76)MM/1.6KG
WORKING CONDITION	QUALITY AND SAFETY CERTIFICATION	ISO9001:2000, CE
	ENVIRONMENT TEMPERATURE	5 ~ 35 0.01GRADE
	ENVIRONMENTAL HUMIDITY	≤85%
	IP RATING	IP57 DUSTPROOF AND WATERPROOF

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ORDERING INFORMATION:

SCT-108.002.09	SCT-CADY	SCT CADY PH/ORP/CONDUCTIVITY/TDS/SALINITY/RESISTIVITY/TEMP METER IS SUPPLIED WITH PLASTIC pH/ATC THREE-IN-ONE COMBINED ELECTRODE, PLASTIC ORP COMBINED ELECTRODE, PLASTIC CONDUCTIVITY ELECTRODE, PH STANDARD BUFFER SOLUTION, 1413μS/CM CONDUCTIVITY STANDARD SOLUTION, SCREW DRIVER, SPARE BATTERIES, OPERATION MANUAL AND CARRYING CASE
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OPTIONAL ACCESSORIES: (SELECT ONLY IF REQUIRED)

ACCESSORY CATEGORY	PRODUCT NO.	DESCRIPTION
PH COMBINATION ELECTRODE	SCT-108.002.A1	PLASTIC THREE-IN-ONE pH ELECTRODE, MEASURE pH AND TEMPERATURE SIMULTANEOUSLY, ATC, SUITED FOR GENERAL pH MEASUREMENT, 8 PIN CONNECTOR.
ORP COMBINATION ELECTRODE	SCT-108.002.B1	PLASTIC ORP COMBINATION ELECTRODE, CLASS= "TDBG01", SUITED FOR GENERAL ORP MEASUREMENT, 8 PIN CONNECTOR.
CONDUCTIVITY ELECTRODE	SCT-108.002.C1	PLASTIC CONDUCTIVITY ELECTRODE, K=1.0 CM-1 ATC, SUITED FOR CONDUCTIVITY MEASUREMENT OF GENERAL WATER SOLUTION, 8 PIN CONNECTOR.
PH BUFFER	SCT-108.002.AA	pH4.00 BUFFER 500 ML
	SCT-108.002.AB	pH4.00 BUFFER 250 ML
	SCT-108.002.AG	pH7.00 BUFFER 500 ML
	SCT-108.002.AH	pH7.00 BUFFER 250 ML
	SCT-108.002.AM	pH10.01 BUFFER 500 ML
	SCT-108.002.AN	pH10.01 BUFFER 250 ML
CONDUCTIVITY STANDARD	SCT-108.002.BA	84 µS/CM CONDUCTIVITY STANDARD 500 ML
	SCT-108.002.BB	84 µS/CM CONDUCTIVITY STANDARD 250 ML
	SCT-108.002.BD	1413 µS/CM CONDUCTIVITY STANDARD 500 ML
	SCT-108.002.BE	1413 µS/CM CONDUCTIVITY STANDARD 250 ML
	SCT-108.002.BG	12.88 mS/CM CONDUCTIVITY STANDARD 500 ML
	SCT-108.002.BH	12.88 mS/CM CONDUCTIVITY STANDARD 250 ML
ELECTRODE STORAGE SOLUTION	SCT-108.002.CA	pH ORP COMBINATION ELECTRODE STORAGE SOLUTION 500 ML
	SCT-108.002.CB	pH ORP COMBINATION ELECTRODE STORAGE SOLUTION 250 ML
ORP STANDARD SOLUTION	SCT-108.002.DA	222 mV ORP STANDARD SOLUTION 250 ML
	SCT-108.002.DB	222 mV ORP STANDARD SOLUTION 100 ML
CARRYING CASE	SCT-108.002.KB	CARRYING CASE 360×270×76 MM

SCT PORTABLE pH/CONDUCTIVITY/TDS/SALINITY/RESISTIVITY/DO/TEMP METER

SALIENT FEATURES:

- A COMPLETE PORTABLE SCT-METER FOR pH, ORP, CONDUCTIVITY/TDS/SALINITY/RESISTIVITY/ DISSOLVED OXYGEN AND TEMP. MEASUREMENTS.
- MULTI-PARAMETER METER, EQUIPPED WITH pH ELECTRODE, CONDUCTIVITY ELECTRODE AND DISSOLVED OXYGEN ELECTRODE, AUTOMATIC IDENTIFICATION OF ELECTRODE BY METER.
- BUILT-IN MICROPROCESSOR CHIPS, INTELLIGENT FUNCTIONS SUCH AS AUTOMATIC CALIBRATION, AUTOMATIC TEMPERATURE COMPENSATION, DATA STORAGE, FUNCTION SET-UP, SELF-DIAGNOSE INFORMATION, AUTOMATIC POWER-OFF AND LOW VOLTAGE DISPLAY.
- AUTOMATIC IDENTIFICATION OF 12 pH STANDARD BUFFER SOLUTIONS, THREE OPTIONS OF STANDARD BUFFER SOLUTIONS: EUROPE AND AMERICA SERIES & NIST SERIES.
- ABLE TO SET pH MEASUREMENT MODES OF HIGH PURITY WATER AND PURE WATER WITH AMMONIA.
- AUTOMATIC IDENTIFICATION OF 7 CONDUCTIVITY STANDARD CALIBRATION SOLUTIONS, TWO OPTIONS OF STANDARD CALIBRATION SOLUTIONS: EUROPE AND AMERICA SERIES.
- ADOPT ADVANCED CONDUCTIVITY MEASUREMENT TECHNOLOGY, USE CONDUCTIVITY ELECTRODE OF CONSTANT K=1, ONLY NEED ONE POINT CALIBRATION AND MEET THE MEASUREMENT PRECISION REQUIREMENT OF 0.5MS/CM ~ 200 MS/CM.
- ABILITY TO SWITCH AMONG CONDUCTIVITY, TDS, SALINITY AND RESISTIVITY. MULTINOMIAL CALCULATION FOR TDS AND SALINITY TO ENSURE THE CONVERSION PRECISION OF THE FULL SCALE.
- CONDUCTIVITY MEASUREMENT MODE HAS THE FUNCTION OF NON-LINEAR TEMPERATURE COMPENSATION FOR HIGH PURITY WATER.
- MEASUREMENT MODE OF DISSOLVED OXYGEN HAS THE FUNCTION OF AUTOMATIC TEMPERATURE COMPENSATION, AUTOMATIC SALINITY COMPENSATION AND MANUAL AIR PRESSURE COMPENSATION.
- NEW POLAROGRAPHIC TYPE DISSOLVED OXYGEN ELECTRODE CAN MEASURE TEMPERATURE, SALINITY AND DISSOLVED OXYGEN SIMULTANEOUSLY, EQUIPPED WITH SPECIAL DISSOLVED OXYGEN ELECTRODE CALIBRATION SET, POLARIZATION ONLY FOR 3~5 MIN.
- SCT METER MEETS ISO9001:2000, CE STANDARDS AND WATER PROOF IP57.



TECHNICAL SPECIFICATIONS:

PRODUCT NO	SCT-108.002.10	
MODEL NO	SCT-DAVY	
CATEGORY	PRODUCT NAME	BASIC FEATURES AND SPECIFICATIONS
pH	MEASURING RANGE	-2.00 ~ 19.99 pH
	RESOLUTION	0.1/0.01 pH
	ACCURACY	±0.01pH
	INPUT CURRENT	≤2×10 ⁻¹² A
	INPUT IMPEDANCE	≥1×10 ¹² Ω
	STABILITY	±0.01 pH/3H
	TEMP. COMPENSATION RANGE	0 ~ 100 (AUTOMATIC)
ORP	MEASURING RANGE (mV/ORP/EH)	-1999mV ~ 0 ~ 1999mV
	RESOLUTION	1mV
	ACCURACY	METER:±0.1% FS, OVERALL: ±15mV

CONDUCTIVITY	MEASURING RANGE	CONDUCTIVITY 0.00~19.99 μ S/CM 20.0~199.9 μ S/CM 200~1999 μ S/CM 2.00~19.99 mS/CM 20.0~199.9 mS/CM TDS: 0 ~ 100 G/L SALINITY 0 ~ 100 PPT RESISTIVITY 0 ~ 100 M Ω ·CM
	RESOLUTION	0.01/0.1/ μ S/CM 0.01/0.1 mS/CM
	ACCURACY	±1.0% FS
	TEMP. COMPENSATION RANGE	0 ~ 50 (MANUAL)
	ELECTRODE CONSTANT	0.1 / 1 / 10 CM-1
	BENCHMARK TEMPERATURE	25 / 20 AND 18
DISSOLVED OXYGEN	MEASURING RANGE	0 ~ 40.00MG/L(PPM) 0 ~ 200.0%
	RESOLUTION	0.1/0.01 MG/L(PPM) 1/0.1 %
	ACCURACY	±0.10 MG/L
	RESPONSE TIME	≤30 S 25, 90%RESPONSE
	RESIDUAL CURRENT	≤0.1 MG/L
	TEMP. COMPENSATION RANGE	0 ~ 45 (AUTOMATIC)
	SALINITY COMPENSATION RANGE	0 ~ 45 PPT(AUTOMATIC)
	ATMOSPHERIC PRESSURE COMPENSATION RANGE	66 ~ 200 KPA (MANUAL)
	AUTOMATIC CALIBRATION	AIR SATURATED BY WATER; WATER SATURATED BY AIR
OTHER TECHNICAL PARAMETERS	ELECTRODE TYPE	POLAROGRAPH TYPE
	DATA STORAGE	200 GROUPS
	STORAGE CONTENT	SERIES NUMBER, MEASURING VALUE MEASURING UNIT AND TEMPERATURE,
	POWER	1.5V X 2
	SIZE AND WEIGHT	METER (65×120×31)MM/180G SUITCASE (360×270×76)MM/1.6KG
WORKING CONDITION	QUALITY AND SAFETY CERTIFICATION	ISO9001:2000, CE
	ENVIRONMENT TEMPERATURE	5 ~ 35 0.01GRADE
	ENVIRONMENTAL HUMIDITY	≤85%
	IP RATING	IP57 DUSTPROOF AND WATERPROOF

ORDERING INFORMATION:

SCT-108.002.10	SCT-DAVY	SCT DAVY pH/ORP/CONDUCTIVITY/TDS/SALINITY/RESISTIVITY/DO/TEMP METER IS SUPPLIED WITH PLASTIC PH/ATC THREE-IN-ONE COMBINED ELECTRODE, PLASTIC CONDUCTIVITY ELECTRODE, DO ELECTRODE, pH STANDARD BUFFER SOLUTION,1413 μ S/CM CONDUCTIVITY STANDARD SOLUTION, SCREW DRIVER, SPARE BATTERIES, OPERATION MANUAL AND CARRYING CASE.
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* PLS NOTE: ORP ELECTRODE / ACCESSORIES ARE NOT INCLUDED MUST BE PURCHASED SEPARATELY. PLEASE SELECT FROM THE OPTIONAL ACCESSORIES BELOW:

OPTIONAL ACCESSORIES: (SELECT ONLY IF REQUIRED)

ACCESSORY CATEGORY	PRODUCT NO.	DESCRIPTION
pH COMBINATION ELECTRODE	SCT-108.002.A1	PLASTIC THREE-IN-ONE pH ELECTRODE MEASURE pH AND TEMPERATURE SIMULTANEOUSLY, ATC, SUITED FOR GENERAL pH MEASUREMENT, 8 PIN CONNCETOR.
ORP COMBINATION ELECTRODE	SCT-108.002.B1	PLASTIC ORP COMBINATION ELECTRODE, CLASS="TDBG01", SUITED FOR GENERAL ORP MEASUREMENT, 8 PIN CONNECTOR.
CONDUCTIVITY ELECTRODE	SCT-108.002.C1	PLASTIC CONDUCTIVITY ELECTRODE, K=1.0 CM-1 ATC, SUITED FOR CONDUCTIVITY MEASUREMENT OF GENERAL WATER SOLUTION, 8 PIN CONNECTOR.
DO ELECTRODE	SCT-108.002.D1	DO ELECTRODE, POLAROGRAPHIC DO ELECTRODE, SUITED FOR APPLICATION IN LAB AND FIELD, 8 PIN CONNECTOR.
DO ELECTRODE ACCESSORY	SCT-108.002.D2	DO ELECTRODE MEMBRANE CAP, COMBINED MEMBRANE CAP, SPECIAL FOR DO ELECTRODE, SPECIFICATION: 3 UNITS PER GROUP.
	SCT-108.002.IA	DO ELECTRODE ELECTROLYTE, SUPPLEMENT ELECTROLYTE, SPECIAL FOR DO ELECTRODE, SPECIFICATION: 30ML/BOTTLE.
	SCT-108.002.IB	NEGATIVE ELECTRODE POLISHING PAPER, POLISHING PAPER SPECIAL FOR CLEANING NEGATIVE ELECTRODE OF DO ELECTRODE, SPECIFICATION:2 PCS/GROUP.
pH BUFFER	SCT-108.002.AA	pH4.00 BUFFER 500 ML
	SCT-108.002.AB	pH4.00 BUFFER 250 ML
	SCT-108.002.AG	pH 7.00 BUFFER 500 ML
	SCT-108.002.AH	pH 7.00 BUFFER 250 ML
	SCT-108.002.AM	pH10.01 BUFFER 500 ML
	SCT-108.002.AN	pH10.01 BUFFER 250 ML
CONDUCTIVITY STANDARD	SCT-108.002.BA	84 μ S/CM CONDUCTIVITY STANDARD 500 ML
	SCT-108.002.BB	84 μ S/CM CONDUCTIVITY STANDARD 250 ML
	SCT-108.002.BD	1413 μ S/CM CONDUCTIVITY STANDARD 500 ML
	SCT-108.002.BE	1413 μ S/CM CONDUCTIVITY STANDARD 250 ML
	SCT-108.002.BG	12.88 mS/CM CONDUCTIVITY STANDARD 500 ML
	SCT-108.002.BH	12.88 mS/CM CONDUCTIVITY STANDARD 250 ML
ELECTRODE STORAGE SOLUTION	SCT-108.002.CA	pH ORP COMBINATION ELECTRODE STORAGE SOLUTION 500 ML
	SCT-108.002.CB	pH ORP COMBINATION ELECTRODE STORAGE SOLUTION 250 ML
ORP STANDARD SOLUTION	SCT-108.002.DA	222 mV ORP STANDARD SOLUTION 250 ML
	SCT-108.002.DB	222 mV ORP STANDARD SOLUTION 100 ML
CARRYING CASE	SCT-108.002.KB	CARRYING CASE 360×270×76 MM

SCT PORTABLE pH/ORP/CONDUCTIVITY/TDS/SALINITY/RESISTIVITY/DO/TEMP METER**SALIENT FEATURES:**

- A COMPLETE PORTABLE SCT-METER FOR pH, ORP, CONDUCTIVITY AND DISSOLVED OXYGEN MEASUREMENTS.
- BUILT-IN MICROPROCESSOR CHIPS, INTELLIGENT FUNCTIONS SUCH AS AUTOMATIC CALIBRATION, AUTOMATIC TEMPERATURE COMPENSATION, DATA STORAGE, FUNCTION SET-UP, SELF-DIAGNOSE INFORMATION, AUTOMATIC POWER-OFF AND LOW VOLTAGE DISPLAY.
- MULTI-PARAMETER METER, EQUIPPED WITH pH ELECTRODE, ORP ELECTRODE, CONDUCTIVITY ELECTRODE AND DISSOLVED OXYGEN ELECTRODE, AUTOMATIC IDENTIFICATION OF ELECTRODE BY METER.
- AUTOMATIC IDENTIFICATION OF 12 pH STANDARD CALIBRATION SOLUTIONS, THREE OPTIONS OF STANDARD BUFFER SOLUTIONS: EUROPE AND AMERICA SERIES & NIST SERIES
- ABLE TO SET pH MEASUREMENT MODES OF HIGH PURITY WATER AND PURE WATER WITH AMMONIA.
- AUTOMATIC IDENTIFICATION OF 7 CONDUCTIVITY STANDARD CALIBRATION SOLUTIONS, TWO OPTIONS OF STANDARD CALIBRATION SOLUTIONS: EUROPE AND AMERICA SERIES
- ADOPT ADVANCED CONDUCTIVITY MEASUREMENT TECHNOLOGY, USE CONDUCTIVITY ELECTRODE OF CONSTANT K=1, ONLY NEED ONE POINT CALIBRATION AND MEET THE MEASUREMENT PRECISION REQUIREMENT OF 0.5MS/CM ~ 200 MS/CM.
- ABILITY TO SWITCH AMONG CONDUCTIVITY, TDS, SALINITY AND RESISTIVITY. MULTINOMIAL CALCULATION FOR TDS AND SALINITY TO ENSURE THE CONVERSION PRECISION OF THE FULL SCALE.
- CONDUCTIVITY MEASUREMENT MODE HAS THE FUNCTION OF NON-LINEAR TEMPERATURE COMPENSATION FOR HIGH PURITY WATER.
- MEASUREMENT MODE OF DISSOLVED OXYGEN HAS THE FUNCTION OF AUTOMATIC TEMPERATURE COMPENSATION, AUTOMATIC SALINITY COMPENSATION AND MANUAL AIR PRESSURE COMPENSATION.
- NEW POLAROGRAPHIC TYPE DISSOLVED OXYGEN ELECTRODE CAN MEASURE TEMPERATURE, SALINITY AND DISSOLVED OXYGEN SIMULTANEOUSLY, EQUIPPED WITH SPECIAL DISSOLVED OXYGEN ELECTRODE CALIBRATION SET, POLARIZATION ONLY FOR 3~5 MIN.
- SCT METER MEETS ISO9001:2000, CE STANDARDS AND WATER PROOF IP57.

**TECHNICAL SPECIFICATIONS:**

PRODUCT NO	SCT-108.002.11	
MODEL NO	SCT-DEON	
CATEGORY	PRODUCT NAME	BASIC FEATURES AND SPECIFICATIONS
pH	MEASURING RANGE	-2.00 ~ 19.99 pH
	RESOLUTION	0.1/0.01 pH
	ACCURACY	±0.01pH
	INPUT CURRENT	≤2×10 ⁻¹² A
	INPUT IMPEDANCE	≥1×10 ¹² Ω
	STABILITY	±0.01 pH/3H
	TEMP. COMPENSATION RANGE	0 ~ 100 (AUTOMATIC)
ORP	MEASURING RANGE (mV/ORP/EH)	-1999mV ~ 0 ~ 1999mV
	RESOLUTION	1mV
	ACCURACY	±0.1% FS
CONDUCTIVITY	MEASURING RANGE	CONDUCTIVITY 0.00~19.99 μS/CM 20.0~199.9 μS/CM 200~1999 μS/CM 2.00~19.99 mS/CM 20.0~199.9 mS/CM TDS: 0 ~ 100 G/L SALINITY: 0 ~ 100 PPT RESISTIVITY: 0 ~ 100 MQ/CM
	RESOLUTION	0.01/0.1/1μS/CM 0.01/0.1 mS/CM
	ACCURACY	±1.0% FS
	TEMP. COMPENSATION RANGE	0 ~ 50 (MANUAL)
	ELECTRODE CONSTANT	0.1 / 1 / 10 CM-1
	BENCHMARK TEMPERATURE	25 20 AND 18
DISSOLVED OXYGEN	MEASURING RANGE	0 ~ 40.00 MG/L (PPM) 0 ~ 200.0 %
	RESOLUTION	0.1/0.01 MG/L (PPM) 1/0.1 %
	ACCURACY	±0.10 MG/L
	RESPONSE TIME	≤30 S 25 , 90%RESPONSE
	RESIDUAL CURRENT	≤0.1 MG/L
	TEMP. COMPENSATION RANGE	0 ~ 45 (AUTOMATIC)
	SALINITY COMPENSATION RANGE	0 ~ 45 PPT (AUTOMATIC)
	ATMOSPHERIC PRESSURE COMPENSATION RANGE	66 ~ 200 KPA (MANUAL)
	AUTOMATIC CALIBRATION	AIR SATURATED BY WATER; WATER SATURATED BY AIR
OTHER TECHNICAL PARAMETERS	ELECTRODE TYPE	POLAROGRAPH TYPE
	DATA STORAGE	200 GROUPS
	STORAGE CONTENT	SERIES NUMBER, MEASURING VALUE MEASURING UNIT AND TEMPERATURE,
	POWER	1.5V X 2
	SIZE AND WEIGHT	METER (65×120×31)MM/180G SUITCASE (360×270×76)MM/1.6KG
WORKING CONDITION	QUALITY AND SAFETY CERTIFICATION	ISO9001:2000, CE
	ENVIRONMENT TEMPERATURE	5 ~ 35 0.01GRADE
	ENVIRONMENTAL HUMIDITY	≤85%
	IP RATING	IP57 DUSTPROOF AND WATERPROOF

ORDERING INFORMATIONS:

SCT-108.002.11	SCT-DEON	SCT DEON pH/ORP/CONDUCTIVITY/TDS/SALINITY/RESISTIVITY/DO/TEMP METER IS SUPPLIED WITH PLASTIC PH/ATC THREE-IN-ONE COMBINATION ELECTRODE, PLASTIC ORP COMBINATION ELECTRODE, PLASTIC CONDUCTIVITY ELECTRODE, DO ELECTRODE, pH STANDARD BUFFER SOLUTION, 1413 µS/CM CONDUCTIVITY STANDARD SOLUTION, MEMBRANE CAP, DO ELECTRODE INNER SOLUTION, CATHODE POLISHING PAPER, SCREW DRIVER, SPARE BATTERIES, OPERATION MANUAL AND CARRYING CASE
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OPTIONAL ACCESSORIES: (SELECT ONLY IF REQUIRED)

ACCESSORY CATEGORY	PRODUCT NO	DESCRIPTION
PH COMBINATION ELECTRODE	SCT-108.002.A1	PLASTIC THREE-IN-ONE pH ELECTRODE, MEASURE pH AND TEMPERATURE SIMULTANEOUSLY, ATC, SUITED FOR GENERAL pH MEASUREMENT, 8 PIN CONNECTOR.
ORP COMBINATION ELECTRODE	SCT-108.002.B1	PLASTIC ORP COMBINATION ELECTRODE, CLASS="TDBG01", SUITED FOR GENERAL ORP MEASUREMENT, 8 PIN CONNECTOR.
CONDUCTIVITY ELECTRODE	SCT-108.002.C1	PLASTIC CONDUCTIVITY ELECTRODE, K=1.0 CM-1 ATC, SUITED FOR CONDUCTIVITY MEASUREMENT OF GENERAL WATER SOLUTION, 8 PIN CONNECTOR.
DO ELECTRODE	SCT-108.002.D1	DO ELECTRODE, POLAROGRAPHIC DO ELECTRODE, SUITED FOR APPLICATION IN LAB AND FIELD, 8 PIN CONNECTOR.
DO ELECTRODE ACCESSORY	SCT-108.002.D2	DO ELECTRODE MEMBRANE CAP, COMBINED MEMBRANE CAP, SPECIAL FOR DO ELECTRODE, SPECIFICATION: 3 UNITS PER GROUP.
	SCT-108.002.IA	DO ELECTRODE ELECTROLYTE, SUPPLEMENT ELECTROLYTE, SPECIAL FOR DO ELECTRODE, SPECIFICATION: 30ML/BOTTLE.
	SCT-108.002.IB	NEGATIVE ELECTRODE POLISHING PAPER, POLISHING PAPER SPECIAL FOR CLEANING NEGATIVE ELECTRODE OF DO ELECTRODE, SPECIFICATION: 2 PCS/GROUP.
PH BUFFER	SCT-108.002.AA	pH4.00 BUFFER 500 ML
	SCT-108.002.AB	pH4.00 BUFFER 250 ML
	SCT-108.002.AG	pH7.00 BUFFER 500 ML
	SCT-108.002.AH	pH7.00 BUFFER 250 ML
	SCT-108.002.AM	pH10.01 BUFFER 500 ML
	SCT-108.002.AN	pH10.01 BUFFER 250 ML
CONDUCTIVITY STANDARD	SCT-108.002.BA	84 µS/CM CONDUCTIVITY STANDARD 500 ML
	SCT-108.002.BB	84 µS/CM CONDUCTIVITY STANDARD 250 ML
	SCT-108.002.BD	1413 µS/CM CONDUCTIVITY STANDARD 500 ML
	SCT-108.002.BE	1413 µS/CM CONDUCTIVITY STANDARD 250 ML
	SCT-108.002.BG	12.88 mS/CM CONDUCTIVITY STANDARD 500 ML
	SCT-108.002.BH	12.88 mS/CM CONDUCTIVITY STANDARD 250 ML
ELECTRODE STORAGE SOLUTION	SCT-108.002.CA	PH ORP COMBINATION ELECTRODE STORAGE SOLUTION 500 ML
	SCT-108.002.CB	PH ORP COMBINATION ELECTRODE STORAGE SOLUTION 250 ML
ORP STANDARD SOLUTION	SCT-108.002.DA	222 mV ORP STANDARD SOLUTION 500 ML
	SCT-108.002.DB	222 mV ORP STANDARD SOLUTION 250 ML
CARRYING CASE	SCT-108.002.KB	BIG PORTABLE CASE 360×270×76 MM, MATCH MULTI- ELECTRODE

SCT PORTABLE WATER HARDNESS METER

SALIENT FEATURES:

- A COMPLETE PORTABLE SCT-METER FOR CALCIUM AND MAGNESIUM, IONS HARDNESS MEASUREMENTS.
- PORTABLE METER FOR MEASUREMENT OF WATER HARDNESS (THE TOTAL CONCENTRATION OF CALCIUM ION AND MAGNESIUM ION).
- ELECTRODE ADOPTS WATER HARDNESS COMBINATION ELECTRODE WITH PATENT STRUCTURE. IT CONSISTS OF MEASUREMENT ELECTRODE, REFERENCE ELECTRODE AND TEMPERATURE PROBE. REPLACEABLE MEASURING HEAD, STEADY POTENTIAL, FAST RESPONSE, EASY TO USE.
- METER ADOPTS INTELLIGENT CHIP DESIGN, AUTOMATIC CALIBRATION, AUTOMATIC TEMPERATURE COMPENSATION, TIME DISPLAY, DATA STORAGE, LOW VOLTAGE DISPLAY, ETC.
- ABILITY TO SWITCH AMONG EIGHT UNITS: Mmol/L, mg/L (CaCO₃), mg/L (CaO), Mmol/L (BOILER), mg/L (Ca). THREE OPTIONS OF THREE UNITS : °FH FRANCE °DH GERMANY AND °EH, UK FROM WH-LINK COMMUNICATION SOFTWARE.
- EQUIPPED WITH B1, B2 AND B3 CALIBRATION SOLUTIONS.
- SCT METER MEETS ISO9001:2000, CE STANDARDS AND WATER PROOF IP57.



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TECHNICAL SPECIFICATIONS:

PRODUCT NO	SCT-108.002.12	
MODEL NO	SCT-ETTA	
CATEGORY	PRODUCT NAME	BASIC FEATURES AND SPECIFICATIONS
WATER HARDNESS	MEASURING RANGE	0 ~ 10 Mmol/L 0 ~ 401 mg/L(Ca)
		0 ~ 1000 mg/L(CaCO ₃) 0 ~ 100 °FH(FRANCE DEGREE)
		0 ~ 561 mg/L(CAO) 0 ~ 56 °DH(GERMAN DEGREE)
		0 ~ 20 Mmol/L (BOILER) 0 ~ 70 °EH (ENGLAND DEGREE)
		0.01 AND 0.1 WATER HARDNESS UNITS
	RESOLUTION	±5% FS
	ACCURACY	5 ~ 50 AUTOMATIC
	CALIBRATION SOLUTION	B1 CALIBRATION SOLUTION -- 2.00×10-2 Mmol/L
		B2 CALIBRATION SOLUTION -- 2.00×10-1 Mmol/L
		B3 CALIBRATION SOLUTION -- 2.00 Mmol/L
		B3CALIBRATION SOLUTION ALSO CAN BE USED FOR THE STORAGE SOLUTION OF ELECTRODE
	CALIBRATION MODE	(A)B1/B2 CALIBRATION - USING B1 AND B2 CALIBRATION SOLUTION SUITABLE FOR < 2.00×10-2 Mmol/L LOW CONCENTRATION WATER QUALITY FOR EXAMPLE, BOILER WATER.
		(B)CALIBRATION - USING B2 AND B3 CALIBRATION SOLUTION SUITABLE FORGENERAL WATER QUALITY.
TEMPERATURE	MEASURING RANGE	0 ~ 60
	RESOLUTION	0.1
	ACCURACY	±0.5
OTHER TECHNICAL PARAMETER	DATA STORAGE	99 GROUPS
	CONTENT STORAGE	SERIAL NUMBER OF MEASURING VALUE, MEASURING VALUE, UNITS, TEMPERATURE, ATC OR MTC, DATE, TIME AND CALIBRATION WAY.
		1.5V×2
	POWER DIMENSION AND WEIGHT	METER (65×120×31)MM/180G CARRY CASE (255×210×50)MM/790G
	QUALITY & SAFECERTIFICATE	ISO9001:2000 AND CE
WORKING CONDITIONS	AMBIENT TEMPERATURE	(5~35)
	AMBIENT HUMIDITY	≤85%RH



ORDERING INFORMATION:

SCT-108.002.12	SCT-ETTA	SCT ETTA WATER HARDNESS METER IS SUPPLIED WITH WATER HARDNESS ELECTRODE(WITH TWO MEASURING HEADS AND ONE SCREW PLUG), CELL (1.5V),100ML HARDNESS CALIBRATION SOLUTION (B1, B2 AND B3),20ML TEST CUP,TEST CUP PEDESTAL,REFERENCE SOLUTION,TOOLS FOR FILLING REFERENCE SOLUTION,CARRING CASE,OPERATION MANUAL
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OPTIONAL ACCESSORIES: (SELECT ONLY IF REQUIRED)

ACCESSORY CATEGORY	PRODUCT NO	DESCRIPTION
WATER HARDNESS ELECTRODE	SCT-108.002.E1	WATER HARDNESS ELECTRODE, SUITED FOR MEASUREMENT OF TOTAL CONCENTRATION OF CALCIUM ION AND MAGNESIUM ION, METER, 8 PIN CONNECTOR
WATER HARDNESS ELECTRODE ACCESSORY	SCT-108.002.E2	WATER HARDNESS ELECTRODE MEASURING HEAD
	SCT-108.002.HA	WATER HARDNESS ELECTRODE INNER REFERENCE SOLUTION
	SCT-108.002.HB	REFERENCE SOLUTION FILLING TOOL
WATER HARDNESS CALIBRATION SOLUTION	SCT-108.002.EA	WATER HARDNESS CALIBRATION SOLUTION B1 250 ML
	SCT-108.002.EB	WATER HARDNESS CALIBRATION SOLUTION B1 100 ML
	SCT-108.002.FA	WATER HARDNESS CALIBRATION SOLUTION B2 250 ML
	SCT-108.002.FB	WATER HARDNESS CALIBRATION SOLUTION B2 100 ML
	SCT-108.002.GA	WATER HARDNESS CALIBRATION SOLUTION B3 250 ML
	SCT-108.002.GB	WATER HARDNESS CALIBRATION SOLUTION B3 100 ML
	SCT-108.002.GD	WATER HARDNESS ELECTRODE CALIBRATION SOLUTION (B1, B2, B3 X 100 ML)
	SCT-108.002.JA	PLASIC TEST CUP, SPECIFICATION 20ML
ACCESSORIES	SCT-108.002.JB	TEST CUP BASE, PLACE TEST CUP ON THE BASE

SCT- JERA PORTABLE / HAND HELD TURBIDITY METER

SALIENT FEATURES:

- SCT- JERA PORTABLE TURBIDITY METER IS DESIGNED FOR IT'S COMPACTNESS AND ELEGANCE.
- SCT- JERA OPERATES WITH A MICROPROCESSOR CIRCUIT FOR IT'S HIGH ACCURACY AND THE RELIABLE RESULTS..
- SCT- JERA IS USER FRIENDLY METER,BECAUSE IT'S 5 BUTTONS, SIMPLE KEY PAD OPERATIONS.
- SCT- JERA MEETS ISO 7027 * NTU MEASURING UNITS.THE UNIT OPERATES WITH THE NEPHELOMETRIC PRINCIPLE.
- SCT- JERA IS PRODUCED TO MEET WIDE RANGE OF MEASUREMENTS 0 TO 1000 NTU, TO MEET ALL TYPE OF CUSTOMER'S NEEDS AND THE UNIT CAN BE COMPARABLE & BETTER THAN ANY LEADING COMMERCIAL BRANDS.
- SCT- JERA HAS A UNIQUE OPTICS STRUCTURE, MAKES THE INSTRUMENT TO MEASURE LOW TO HIGH VALUES OF TURBIDITY UP TO 1000 NTU.
- SCT- JERA HAS IN-BUILT BUTTON FOR EASY TWO POINTS CALIBRATION AND THE METER HAS A HIGH RESOLUTIONS OF 0.01 NTU / 1.0 NTU
- SCT- JERA DISPLAYS THE RESULTS IN A CLEAR LARGE LCD,WHICH MAKES THE USERS TO SEE THE MEASUREMENTS CLEARLY.
- SCT-JERA HAS VERY NICE FUNCTIONS LIKE DATA HOLDING FOR FREEZING THE ULTIMATE VALUE.AUTO SHUT OFF IF NOT OPERATED FOR LONG TIMES TO SAVE THE BATTERY.ALSO, IT HAS MEMORY RECALL FUNCTIONS WITH RECORDING MIN-MAX READINGS.
- SCT- JERA IS A HANDHELD BATTERY OPERATED, FIELD / ON-SITE TESTING METERS SUPPLIED IN A RIGID & NICE CARRYING CASE.
- SCT-JERA IS TESTED FOR OPERATING IN ANY STANDARD TEMPERATURE UP TO 50 C AND THE RELATIVE HUMIDITY RH 85%
- SCT-JERA HAS A WIDE RANGE OF APPLICATIONS IN THE WATER, FOOD AND ENVIRONMENTAL INDUSTRIES. ALSO,IT HAS FEW CLINICAL APPLICATIONS.



TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.002.15
MODEL NO.	SCT-JERA
INTERNATIONAL STANDARDS	MEETS ISO 7027
MEASURING RANGES	0.00 TO 50.00 NTU, 50 TO 1,000 NTU
	* NTU : NEPHELOMETRIC TURBIDITY UNIT
	* AUTO RANGE
RESOLUTIONS	0.01 NTU/ 1 NTU
TYPE OF THE CIRCUIT	CUSTOM ONE-CHIP OF MICROPROCESSOR LSI CIRCUIT
DATA DISPLAY	LCD SIZE : 41 MM X 34 MM
MEASURING ACCURACY	± 5 % F.S. OR ± 0.5 NTU, WHICH EVER IS GREATER
LIGHT SOURCE	LED (LIGHT EMITTING DIODE) 850 NM
PRINCIPLE DETECTOR	PHOTO DIODE
METER'S RESPONSE TIME	LESS THAN 10 SECONDS
SAMPLE VOLUME	10 ML
DATA HOLD	FREEZE THE DISPLAY READING
MEMORY RECALL	MAXIMUM & MINIMUM VALUE
DISPLAY SAMPLING TIME	APPROX. 1 SECOND
POWER OFF	AUTO SHUT OFF SAVES BATTERY LIFE OR MANUAL OFF BY PUSH BUTTON
CALIBRATION POINTS	2 POINTS, 0 NTU& 100 NTU
OPERATING TEMPERATURE	TEMPERATURE 0 TO 50°C
OPERATING HUMIDITY	HUMIDITY LESS THAN 85% R.H
POWER SUPPLY	DC 1.5 V BATTERY (UM4, AAA) X 6 PCS OR EQUIVALENT
POWER	STAND BY APPROX. DC 3.5 MA. TESTING APPROX. DC 36 MA
WEIGHT	320 G/0.70 LB. @ BATTERY IS INCLUDED
DIMENSIONS	155 X 76 X 62 MM (6.1 X 3.0 X 2.4 INCHES)



ORDERING INFORMATION:

SCT-108.002.15	SCT-JERA	SCT TURBIDITY METER SUPPLIED COMPLETE WITH 0 NTU & 100 NTU STANDARD SOLUTION, SAMPLE CUVETTES, CLEANING CLOTH, CLEANING SOLUTION (DISTILL WATER) AND HARD CARRYING CASE
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OPTIONAL ACCESSORIES SELECT ONLY THE REQUIRED:

SCT-108.002.15A	CALIBRATION SOLUTION 0 NTU
SCT-108.002.15B	CALIBRATION SOLUTION 100 NTU
SCT-108.002.15C	SAMPLE CUVETTE

SCT PORTABLE SUSPENDED SOLIDS (TSS) ANALYZER

SALIENT FEATURES:

- A COMPLETE PORTABLE SCT METER FOR SUSPENDED SOLIDS MEASUREMENTS.
- SCT - KEVIN METER DESIGNED TO MEASURE THE SUSPENDED SOLIDS USING OPTICAL SENSOR.
- METER IS OPTIMISED FOR MLSS AND RAS DATA LOGGING AND DOWNLOAD TO SPREAD SHEET THROUGH RS232 SERIAL PORT.
- INDEPENDENT CALIBRATION FOR MLSS AND RAS.
- WATER PROOF WITH IP57 RATING AND LARGE BACKLIGHT GRAPHICAL DISPLAY.
- REAL TIME SS CONCENTRATION FOR PROCESS CONTROL.
- SCT KEVIN METER CAN ALSO BE USED TO MEASURE SLUDGE BLANKETS IN CLARIFIERS MEMORY OF SAFETY
- METER OPERATES WITH RECHARGEABLE BATTERIES AND CHARGES FOR 12 HOURS.
- AUTO SHUT-OFF.



TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.002.17
MODEL NO.	SCT-KEVIN
MEASURING RANGE	250 TO 30,000 MG/L
ACCURACY	3% OF READING OR 20 MG/L, WHICHEVER IS GREATER
SENSITIVITY / RESOLUTION	1 MG/L BELOW 1000 MG/L
	10 MG/L BETWEEN 1,000 AND 8,889 MG/L
	1000 MG/L ABOVE 10,000 MG/L
REPEATABILITY	+/- 0.5%
SENSOR DRILL	LESS THAN 1% PER YEAR
TEMPERATURE RANGE	0 °C TO 85°C
SENSOR CHECK	AUTOMATIC SELF DIAGNOSTICS
OUTPUT	RS-232 SERIAL
MEMORY BACKUP	YES
DISPLAY	LCD GRAPHIC DISPLAY WITH UV PROTECTION
	CONTRAST ADJUSTMENT VIA KEYPAD
	ON DEMAND BACKLIGHTING
SENSOR CABLE LENGTH	20 FEET
AMBIENT HUMIDITY	0 TO 100 PERCENT
ENCLOSURE RATING	NEMA 4X
WETTED MATERIALS	EPOXY AND POLYURETHANE MAXIMUM PRESSURE 100 PSI
SHIPPING WEIGHT	APPROXIMATELY 4 POUNDS

ORDERING INFORMATION:

SCT-108.002.17	SCT-KEVIN	SCT KEVIN PORTABLE SUSPENDED SOLIDS ANALYZER IS SUPPLIED WITH SENSOR, BATTERY AND INSTRUCTION MANUAL.
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SCT PORTABLE THERMO HYGROMETER

SALIENT FEATURES:

- A COMPLETE PORTABLE SCT METER FOR RELATIVE HUMIDITY AND TEMPERATURE MEASUREMENTS.
- MICROPROCESSOR BASED FOR FAST AND ACCURATE MEASUREMENTS.
- SIMULTANEOUS DISPLAY HUMIDITY AND TEMPERATURE - USER FRIENDLY.
- MULTI-FUNCTION FOR DATA-HOLD, MAX/MIN, AUTO/MANUAL POWER SHUT OFF.
- WITH 220 MM PROBE - DETACHABLE.
- COMPLETE HUMIDITY RANGE 0 - 100%.
- BATTERY OPERATED WITH OPTIONAL A/C.

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.002.21
MODEL NO.	SCT-LILIAN
RANGE	-40°C TO 85°C 0 TO 100% RH
RESOLUTION	0.1°C/ 0.1 %
ACCURACY	±0.3°C/±2 % AT 25°C
SENSOR	100 OHM RTD/THIN POLYMER CAPACITOR
POWER	9 V OR AC ADAPTOR (OPTIONAL)
DIMENSION	METER: 168 X 73 X 33 MM
	PROBE: 20 DIA X 220 L MM



ORDERING INFORMATION:

SCT-108.002.21	SCT-LILIAN	SCT LILIAN THERMO HYGRO METER IS SUPPLIED COMPLETE WITH TEMPERATURE, RH PROBE, BATTERY AND CARRYING CASE
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SCT THERMO HYGROMETER (IN-BUILT PROBE)

SALIENT FEATURES:

- A COMPLETE PORTABLE SCT METER FOR RELATIVE HUMIDITY AND TEMPERATURE MEASUREMENTS.
- ERGONOMIC DESIGN, LIGHTWEIGHT AND COMPACT.
- MICROPROCESSOR BASED FOR FAST AND ACCURATE MEASUREMENTS.
- SIMULTANEOUS DISPLAY HUMIDITY AND TEMPERATURE USER FRIENDLY.
- MULTI-FUNCTIONS: DATA-HOLD, MAX/MIN, RECORD, HI & LOW ALARM SETTING.
- AUTO/MANUAL POWER SHUT OFF.
- FIXED BUILT-IN PROBE
- BATTERY OPERATED WITH LOW BATTERY INDICATION.

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.002.22	
MODEL NO.	SCT-LARK	
	RH	TEMP
RANGE	1~99.9 % RH	-40~60°C (-40~140°F)
ACCURACY	±2.5 % RH	±0.3°C
RESOLUTION	0.10%	0.1°C
SENSOR	100 OHM RTD/THIN POLYMER CAPACITOR	
POWER	DC 9V BATTERY, LIFE SPAN 200 CONSECUTIVE HOURS	
WEIGHT	165 G	
DIMENSION	85 X 30 X 1200 MM	



ORDERING INFORMATIONS :

SCT-108.002.22	SCT-LARK	SCT LARK THERMO HYGRO METER IS SUPPLIED COMPLETE WITH TEMPERATURE , RH PROBE (IN-BUILT), BATTERY AND CARRYING CASE
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SCT -DROP : DIGITAL PRECISION THERMO HYGROMETER

SALIENT FEATURES:

- SCT-DROP HAS BEEN DESIGNED IN A COMPACT, ATTRACTIVE & ERGONOMIC WAY.
- SCT-DROP IS MADE TO MEASURE THE PRECISE RELATIVE HUMIDITY (RH) 0 TO 100 %, DEW POINT & THE TEMPERATURE (-4.0 TO 140.0°F & -20.0 TO 60.0°C) OF THE TEST AREA.
- SCT-DROP HAS DUAL DISPLAY WITH BACKLIGHT
- SCT-DROP HAS USER SELECTABLE NTC OR TYPE K MEASUREMENTS.
- SCT-DROP HAS DEW POINT TEMPERATURE MEASUREMENT
- SCT-DROP HAS WET BULB & DRY BULB TEMPERATURE MEASUREMENT
- SCT-DROP HAS USER SELECTABLE OC&OF
- SCT-DROP HAS MAX, MIN, HOLD MODES
- SCT-DROP HAS AUTOMATIC POWER OFF IF NOT IN USE
- SCT-DROP HAS LOW BATTERY INDICATION & DISPLAY
- SCT-DROP HAS WIDE RANGE OF SCIENTIFIC & INDUSTRIAL APPLICATIONS.
- THIS METER HAS BEEN MANUFACTURED AS PER THE INTERNATIONAL STANDARDS & ISO 9001:2008 QUALITY STANDARDS .

TECHNICAL SPECIFICATIONS:

PRODUCT NO	SCT-108.002.23
MODEL NO	SCT-DROP
DISPLAY	DUAL LCD
HUMIDITY	0.0 TO 100.0% RH
RANGE AND RESOLUTION	
HUMIDITY	OF
ACCURACY	±3%RH (20 TO 40% AND 60 TO 80%) ±4%RH (0 TO 20% AND 80 TO 100%)
TEMPERATURE	-4.0 TO 140.0°F



RANGE AND RESOLUTION	(-20.0 TO 60.0°C) ±0.9°F (±0.5°C) -22.0 TO - 3.9°F AND 140.1 TO 212.0°F (-30.0 TO -19.9°C) AND 60.1 TO 100.0°C) ±1.8°F (±1.0°C)
RESPONSE TIME:	<15 SECONDS (90% OF FINAL VALUE IN MOVING AIR)
SENSOR TYPE	HUMIDITY: PRECISION CAPACITANCE SENSOR TEMPERATURE: THERMISTOR
ABSOLUTE HUMIDITY	0 TO 500G/M3, 0 TO 218.5GR/FT3 (CALCULATED FROM RH AND AIR TEMPERATURE MEASUREMENTS)
WET BULB	32 TO 176°F (0 TO 80°C) (CALCULATED FROM RH AND AIR TEMPERATURE MEASUREMENTS)
DEW POINT	-22 TO 212°F (-30 TO 100°C) (CALCULATED FROM RH AND AIR TEMPERATURE MEASUREMENTS)
OPERATING CONDITIONS	32 TO 122°F (0 TO 50°C); < 80% RH NON-CONDENSING
STORAGE CONDITIONS	-40 TO 185°F (-40 TO 85°C); <99% RH NON-CONDENSING
BATTERY & LIFE	9 VOTLS APPROX. 48 HOURS
WEIGHT & DIMENSIONS (H*W*D) OF THE METER.	400 G AND 220 MM* 63 MM* 28 MM
WARRANTY	STANDARD ONE YEAR INTERNATIONAL WARRANTY AGAINST MANUFACTURAL DEFECTS IF ANY & BASED OUR SCT TERMS & CONDITIONS GIVEN IN THE OPERATIONAL MANUAL.
QUALITY & STANDARDS	THIS METER HAS BEEN MANUFACTURED AS PER THE INTERNATIONAL STANDARDS & ISO 9001:2008 QUALITY STANDARDS

ORDERING INFORMATIONS:

PRODUCT NO	MODEL NO	DESCRIPTION
SCT-108.002.20	SCT-DROP	DIGITAL SCT –DROP PRECISION THERMO HYGROMETER IS SUPPLIED COMPLETE WITH THE INSTRUCTION MANUAL

OPTIONAL ACCESSORIES (ORDER ONLY IF REQUIRED)

ACCESSORY	SCT-PRODUCT NO	DESCRIPTION
PROBE	SCT-108.002.20 AA	PROBE- HUMIDITY: PRECISION CAPACITANCE SENSOR TEMPERATURE: THERMISTOR
BATTERIES	SCT-108.002.20 AB	BATTERIES FOR SCT-DROP THERMO HYGROMETER.

SCT – MASER : PROFESSIONAL LASER DISTANCE METER**SALIENT FEATURES:**

- SCT-MASER HAS BEEN DESIGNED IN A COMPACT,ATTRACTIVE & ERGONOMIC WAY.
- SCT-MASER IS MADE TO MEASURE INDOOR DISTANCES, AREA, VOLUME,OF ANY ROOM OR CLOSED ENVIRONMENT AND MANY INDIRECT FUNCTIONS..
- SCT-MASER HAS DISPLAY ILLUMINATION AND MULTI-LINE DISPLAY. & SOFT TOUCH KEY PAD.
- SCT-MASER HAS SCT-MASER HAS AREA, VOLUME CALCULATIONS
- SCT-MASER HAS INDIRECT MEASUREMENT USING PYTHAGORAS
- SCT-MASER HAS ADDITION/SUBTRACTION FUNCTIONS.
- SCT-MASER HAS CONTINUOUS MEASUREMENT & REMOTE MEASUREMENTS.
- SCT-MASER HAS MIN/MAX DISTANCE TRACKING
- SCT-MASER HAS BUZZER INDICATION & LONG BATTERY LIFE.
- SCT-MASER HAS MULTIFUNCTIONAL END PIECES & MAINLY USED FOR INDOOR APPLICATIONS.
- SCT-MASER HAS A GOOD MEASURING RANGE 0.05 TO 50M(0.15FT TO 164FT)
- SCT-MASER HAS A WIDE RANGE OF SCIENTIFIC & INDUSTRIAL APPLICATIONS.
- THIS METER HAS BEEN MANUFACTURED AS PER THE INTERNATIONAL STANDARDS & ISO 9001:2008 QUALITY STANDARDS..



TECHNICAL SPECIFICATIONS:

PRODUCT NO	SCT-108.002.24
MODEL NO	SCT - MASER
MEASURING RANGE	0.05 TO 50M(0.15FT TO 164FT)
MEASURING ACCURACY	TYPICALLY: ± 1.5 MM(± 0.06 IN)
SMALLEST UNIT DISPLAYED	1MM
MEASURING UNITS	M,IN,FT
STANDARD	CLASS II 635NM,<1MW
IP RATING	IP 54
HISTORY MEASUREMENT RECORDS	20
KEYBOARD TYPE	SOFT-TOUCH KEYPAD
OPERATING TEMPERATURE	0°C TO 40°C(32°F TO 104°F)
OPERATING TEMPERATURE	-10°C TO 60°C(14°F TO 140°F)
BATTERY LIFE	UP TO 4,000 MEASUREMENTS
AUTO. LASER SWITCH-OFF	AFTER 0.5 MIN
AUTO INSTRUMENT SWITCH-OFF	AFTER 3 MIN
BATTERY	AAA 1.5 V X 2
WEIGHT & DIMENSIONS (H*W*D) OF THE METER	135 G AND 115 MM*48 MM*28 MM
WARRANTY	STANDARD ONE YEAR INTERNATIONAL WARRANTY AGAINST MANUFACTURAL DEFECTS IF ANY & BASED OUR SCT TERMS & CONDITIONS GIVEN IN THE OPERATIONAL MANUAL.
QUALITY & STANDARDS	THIS METER HAS BEEN MANUFACTURED AS PER THE INTERNATIONAL STANDARDS & ISO 9001:2008 QUALITY STANDARDS

ORDERING INFORMATIONS:

PRODUCT NO.	MODEL NO.
SCT-108.002.91	SCT - MASER

OPTIONAL ACCESSORIES (ORDER ONLY IF REQUIRED)

ACCESSORY	SCT-PRODUCT NO
battery	SCT-108.002.91 AB

SCT PORTABLE LUX (LIGHT) METER

SALIENT FEATURES:

- A COMPLETE PORTABLE SCT METER FOR INTENSITY OF LIGHT MEASUREMENTS.
- GOOD DESIGN WITH HIGH PRECISION.
- MEASURING INTENSITIES OF ILLUMINATION IN LUX OR FOOTCANDLES.
- MEASURING LIGHTS SOURCE INCLUDES ALL VISIBLE.
- MULTI-FUNCTION FOR DATA HOLD, MAX. AND ZERO ADJUSTMENT.
- COSINE ANGULAR CORRECTED.
- BATTERY OPERATED.

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.002.25	
MODEL	SCT-LUCKY	
RANGE:	200, 2000, 20000, 200000 LUX	
	20, 200, 2000, 20000 FOOTCANDLES	
ACCURACY:	$\pm 3\%$ (CALIBRATED TO STANDARD INCANDESCENT LAMP 2856 K)	
	$\pm 8\%$ (OTHER VISIBLE LIGHT SOURCE)	
SENSOR:	SILICON PHOTODIODE AND FILTER	
ANGLE DEVIATION FROM COSINE CHARACTERISTICS:	30°	$\pm 2\%$
	60°	$\pm 6\%$
	80°	$\pm 25\%$
BATTERY:	DC 9V	
DIMENSIONS:	185 X 55 X 38 MM	
WEIGHT:	250 G (WITH BATTERY)	



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ORDERING INFORMATIONS:

SCT-108.002.25	SCT-LUCKY	SCT LUCKY LUX METER IS SUPPLIED COMPLETE WITH ,BATTERY AND CARRYING CASE
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SCT –ADHES: DIGITAL COATING THICKNESS METER

SALIENT FEATURES:

- SCT-ADHES HAS BEEN DESIGNED IN A COMPACT,ATTRACTIVE & ERGONOMIC WAY.
- SCT-ADHES – IS MADE TO MEASURE BOTH FERROUS & NON FERROUS BASED METAL COATINGS THICKNESS.
- SCT-ADHES – HAS MAGNETIC INDUCTION FOR FERROUS SUBSTRATES AND EDDY CURRENT MEASUREMENT FOR NON-FERROUS SUBSTRATES
- SCT-ADHES – CAN MEASURE COATINGS: NON-MAGNETIC COATINGS(E.G. PAINT, ZINC) ON STEEL; INSULATING COATINGS(E.G. PAINT, ANODIZING COATINGS) ON NO-FERROUS METALS
- SCT-ADHES – HAS THE PROBE CAN WORK ON BOTH PRINCIPLES, MAGNETIC INDUCTION AND ON THE EDDY CURRENT PRINCIPLE. ONE PROBE ONLY IS REQUIRED FOR COATING MEASUREMENT BOTH ON FERROUS AND NON-FERROUS METAL SUBSTRATES. IT IS ADAPTABLE TO SPECIFIC TASKS: I.E. THEY CAN BE USED ON SPECIAL GEOMETRIES OR ON MATERIALS WITH SPECIAL PROPERTIES.
- SCT-ADHES – CONFORMS TO GB/T 4956-1985, GB/T 4957-1985,JB/T 8393-1996, JJG 889-95, AND JJG 818-93
- SCT-ADHES – HAS AUTOMATIC SUBSTRATE RECOGNITION & EASY-TO USE MENU SYSTEM
- SCT-ADHES – HAS TWO MEASURING MODE: CONTINUE AND SINGLE MODE & TWO WORKING MODE: DIRECT AND GROUP MODE(4 GROUPS)
- SCT-ADHES – HAS ONE POINT CALIBRATION AND, TWO POINTS CALIBRATION AND BASIC CALIBRATION CAN BE PERFORMED EASILY. MEMORY FOR 400 READINGS (80 DIRECT AND 320 GROUP READINGS).DELETE SINGLE READINGS AND ALL GROUP READINGS EASILY
- SCT-ADHES – HAS STATISTIC DISPLAY: AVG, MAX, MIN, NO., S.DEV (STANDARD DEVIATION)
- SCT-ADHES – HAS LOW BATTERY, ERROR INDICATION & USB INTERFACE FOR PC ANALYSIS SOFTWARE. DISABLE AUTO-POWER-OFF FUNCTION VIA MENU SETTING.
- SCT-ADHES – HAS THREE DIFFERENT ADJUSTABLE RESOLUTIONS FOR DIFFERENT APPLICATIONS & HIGH SPEED DATA COLLECTION
- SCT-ADHES HAS WIDE RANGE OF SCIENTIFIC & INDUSTRIAL APPLICATIONS.
- THIS METER HAS BEEN MANUFACTURED AS PER THE INTERNATIONAL STANDARDS & ISO 9001:2008 QUALITY STANDARDS .



TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.002.26
MODEL NO.	SCT- ADHES
SENSOR / PROBE	F
WORKING PRINCIPLE	MAGNETIC INDUCTION
MEASURING RANGE	0~1250UM
GUARANTEED TOLERANCE (OF READING)	(+/- 3%+1)UM
LOW RANGE PRECISION	0.1UM
MINIMUM CURVATURE RADIUS	1.5MM
DIAMETER OF MINIMUM AREA	3MM
BASIC CRITICAL THICKNESS	0.5MM
BATTERY	AAA 1.5 V X 2
WEIGHT &	110 G AND 114 MM* 54 MM* 27 MM
DIMENSIONS (H*W*D) OF THE METER.	
WARRANTY	STANDARD ONE YEAR INTERNATIONAL WARRANTY AGAINST MANUFACTURAL DEFECTS IF ANY & BASED OUR SCT TERMS & CONDITIONS GIVEN IN THE OPERATIONAL MANUAL.
QUALITY & STANDARDS	THIS METER HAS BEEN MANUFACTURED AS PER THE INTERNATIONAL STANDARDS & ISO 9001:2008 QUALITY STANDARDS

ORDERING INFORMATION:

PRODUCT NO	MODEL NO
SCT-108.002.26	SCT- ADHES

OPTIONAL ACCESSORIES (ORDER ONLY IF REQUIRED)

ACESSORY	SCT-PRODUCT NO
Probe	SCT-108.002.26 AA
Battery	SCT-108.002.26 AB
Calibration-F	SCT-108.002.26 AC
Calibration-N	SCT-108.002.26 AD
Standard	SCT-108.002.26 AE

SCT –PASCAL : DIGITAL DIFFERENTIAL PRESSURE MANOMETER

SALIENT FEATURES:

- SCT-PASCAL HAS BEEN DESIGNED IN A COMPACT,ATTRACTIVE & ERGONOMIC WAY.
- SCT-PASCAL HAS THE ABILITY TO MEASURE THE DIFFERENTIAL PRESSURES
- SCT-PASCAL – THE PORTABLE DIFFERENTIAL PRESSURE METER HAS THE ABILITY HAVE MANY SELECTABLE UNITS LIKE; IN H2O, PSI, BAR, MBAR, KPA, INHG, MMHG, OZIN, FTH2O, CMH2O, KGCM
- SCT-PASCAL HAS A LARGE DUAL LCD WITH BACKLIGHT
- SCT-PASCAL – IS MADE AS A USER FRIENDLY,SIMPLE TO USE.
- SCT-PASCAL – IS MADE TO USE FOR A GOOD RANGE OF DIFFERENTIAL PRESSURES.
- SCT-PASCAL –THE PORTABLE DIFFERENTIAL PRESSURE METER HAS THE DATA HOLD FUNCTION.
- SCT-PASCAL – THE PORTABLE DIFFERENTIAL PRESSURE METER HAS THE AUTO POWER OFF.
- SCT-PASCAL – HAS RS-232 FOR CAPTURING READING TO A PC USING OPTIONAL SOFTWARE
- SCT-PASCAL – IS BATTERY OPERATED AND CARRY TO VARIOUS TESTING LOCATIONS.
- SCT-PASCAL HAS WIDE SCIENTIFIC & INDUSTRIAL APPLICATIONS.
- THIS METER HAS BEEN MANUFACTURED AS PER THE INTERNATIONAL STANDARDS & ISO 9001:2008 QUALITY STANDARDS .



TECHNICAL SPECIFICATIONS :

PRODUCT NO.	SCT-108.002.27	
MODEL NO.	SCT-PASCAL	
ACCURACY	±0.3%FSO	
REPEATABILITY	±0.2% (Max.+/-0.5% FSO)	
LINEARITY/HYSTERESIS	±0.29% FSO	
PRESSURE RANGE	±5PSI (±138.3 inH2O)	
UNITS AND RESOLUTION	inH2O	0.1
	PA	0.001
	mbar	0.1
	kPa	0.01
	inHg	0.001
	mmHg	0.1
	ozin2	0.01
	ftH2O	0.01
	cmH2O	0.1
	kgcm	0.001
	bar	0.001
BATTERY	9 VOLTS BATTERY X 1	
WEIGHT & DIMENSIONS (H*W*D) OF THE METER	2000 G AND 400 MM* 290 MM* 110 MM	
WARRANTY	STANDARD ONE YEAR INTERNATIONAL WARRANTY AGAINST MANUFACTURAL DEFECTS IF ANY & BASED OUR SCT TERMS & CONDITIONS GIVEN IN THE OPERATIONAL MANUAL.	

QUALITY & STANDARDS THIS METER HAS BEEN MANUFACTURED AS PER THE INTERNATIONAL STANDARDS & ISO 9001:2008 QUALITY STANDARDS

ORDERING INFORMATION:

PRODUCT NO	MODEL NO	DESCRIPTION
SCT-108.002.27	SCT-PASCAL	SCT DIGITAL DIFFERENTIAL PRESSURE MANOMETER SUPPLIED COMPLETE WITH INSTRUCTION MANUAL 9V BATTERY, USB CABLE, 9V POWER SUPPLIED WITH CARRYING CASE

OPTIONAL ACCESSORIES (ORDER ONLY IF REQUIRED)

ACESSORY	SCT-PRODUCT NO	DESCRIPTION
Battery	SCT-108.002.27 AB	Batteries for SCT-PASCAL SCT Digital Differential Pressure Manometer

SCT DIGITAL SOUND LEVEL METER

SALIENT FEATURES:

- A COMPLETE PORTABLE SCT METER FOR LEVEL OF SOUND / NOISE MEASUREMENTS.
- COMPACT DESIGN WITH BACKLIGHT DISPLAY
- AUTO RANGE AND AUTO POWER OFF.
- MIN/MAX STORAGE AND RECALL
- TEST RANGE FROM 30 TO 130 DB (DECIBELS) WITH 0.1 DB (DECIBELS) RESOLUTION.
- A & C FREQUENCY WEIGHTING.
- FAST & SLOW DYNAMIC CHARACTERISTIC MODELS
- BATTERY OPERATED.

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.002.28
MODEL NO.	SCT-LYN
RANGE	LO: 30-80 DB
	MED: 50-100 DB
	HI: 80-130 DB
ACCURACY	±1.5 DB(REF 94DB@1 KHZ)
RESOLUTION	0.1 DB
MICROPHONE	1/2 INCH ELECTRET CONDENSER MICROPHONE
FREQUENCY WEIGHTING	A, C
ANALOG DC OUTPUT	10mV/DB, IMPEDANCE APPROX. 100 OHM
DYNAMIC RANGE	50 DB
FREQUENCY RANGE	20 HZ-8 KHZ
BATTERY	DC 9V
DIMENSIONS	280 X 80 X 32 MM
WEIGHT	290 G (WITH BATTERY)



ORDERING INFORMATION:

SCT-108.002.28	SCT-LYN	SCT LYN SOUND LEVEL METER IS SUPPLIED COMPLETE WITH ,BATTERY AND CARRYING CASE
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SCT-PLANCK : RADIATION DETECTOR / SCANNER

SALIENT FEATURES:

- SCT-PLANCK HAS BEEN DESIGNED IN A COMPACT,ATTRACTIVE & ERGONOMIC WAY.
- SCT-PLANCK IS A HANDHELD METER TO ALPHA, BETA,GAMMA AND X RAY (α , β , γ and X ray) MEASURE RADIATIONS IN THE WORKING ENVIRONMENT OR OBJECTS.
- SCT-PLANCK IS USING GEIGER COUNTER SENSOR
- SCT-PLANCK HAS SELECT BUTTON FOR DIFFERENT RAY MEASUREMENT LIKE ALPHA, BETA,GAMMA AND X RAY (α , β , γ and X ray)
- SCT-PLANCK HAS HIGH-DEFINITION LCD DISPLAY WITH BACK-LIGHT, MEASURING DYNAMIC, RAY CATEGORY, READING, REAL-TIME TIME, BATTERY INDICATION, MEASUREMENT SYMBOLS AND SIMULATING DIAGRAM INDICATION.
- SCT-PLANCK HAS ADJUSTABLE INDICATION OF AVERAGE TIME
- SCT-PLANCK HAS ACCUMULATION OF RADIATION DETECTION VALUE AND CONVERSION BETWEEN DIFFERENT MEASUREMENT UNITS
- SCT-PLANCK HAS ALARM, REAL-TIME TIME AND BLUETOOTH DATA TRANSMISSION FUNCTIONS
- SCT-PLANCK HAS PULSE COUNTING FUNCTION
- SCT-PLANCK HAS AUTOMATIC SELECTION OF MEASUREMENT RANGE
- SCT-PLANCK HAS BLUETOOTH COMMUNICATION DATA TRANSMISSION FUNCTION AND POWERFUL SOFTWARE FOR DATA EVALUATION. AND MINI IMPACT-RESISTANT DESIGN, LIGHT WEIGHT 206 GMS ONLY & EASY TO CARRY
- SCT-PLANCK HAS LARGE INTERNAL MEMORY CAPACITY THAT CAN DIRECTLY STORE 4000 GROUP OF DATA INSIDE, TRANSFER TO PC, AND NO NEED MANUAL RECORD.
- SCT-PLANCK HAS WIDE RANGE OF SCIENTIFIC & INDUSTRIAL APPLICATIONS.



THIS METER HAS BEEN MANUFACTURED AS PER THE INTERNATIONAL STANDARDS & ISO 9001:2008 QUALITY STANDARDS .

TECHNICAL SPECIFICATIONS :

PRODUCT NO	SCT-108.002.29
MODEL NO	SCT-PLANCK
DETECTION RAY TYPES	α , β , γ and X ray,
MEASURING RANGE (AUTO-SELECTION)	Radiation dose rate : 0.001 μ Sv/h - 1000 μ Sv/h Pulse dose rate : 0-4000cpm, 0-4000cps Accumulated radiation dose value : 0.001 μ Sv-9999Sv Accumulated Pulse dose rate : 0- 9999
SENSITIVITY	Under the environment of cobalt-60 rays that At 1 μ Sv/h, there are 108times of pulse or 1 000 cpm/mR/hr. α -ray- from 4.0 Megavolt β -ray- from 0.2 Megavolt γ -ray- from 0.02 Megavolt X-ray -from 0.02 Megavolt
ACCURACY	<10%(less than 500 μ Sv/h) <20%(less than 600 μ Sv/h);
SELECTION OF RAYS	Combination selection of α , β , γ , X rays

SENSOR	Halogen compensating detector (G.M Geiger counter tube)
OUTPUT PORT	Wireless Bluetooth Transmission (Space transmission distance is 10m)
AVERAGE TIME	Manual or automatic adjustable between 2 to 12 seconds
DISPLAY	Large 4bit digital LCD display with bar graph indications as below:
	Radiation dose rate, pulse dose rate, Accumulated radiation dose rate, Accumulated pulse dose rate, time, date, alarm value, Max radiation dose rate, type of rays, dynamic measuring icon, battery indication etc.
ALARM FUNCTION	Free to set the value of beep alarm , DEFAULT setup is 5µSv/hr
NORMAL RADIATION VALUE OF NATURAL ENVIRONMENT	Less than 0 - 0.2 uSv l h
INTERNAL MEMORY	Auto-save 4000 groups of datas, record one group of date per second with detailed info as date, time, reading and unit
BLUETOOTH TRANSMISSION	Transmit one group of date every second with date, time, value and unit indicated
SOFTWARE	Integrated Real time data transmission, analysis, and recording
WORKING TEMP	0°C- 50°C
QUALITY CERTIFICATE	European CE,US FCC-15
BATTERY	3.6 V High-energy li-battery
WEIGHT & DIMENSIONS (H*W*D) OF THE METER.	206 g and 200 mm*70 mm*45 mm
WARRANTY	Standard one Year International warranty against manufactural defects if any & based our SCT Terms & Conditions Given in the operational Manual.
QUALITY & STANDARDS	This meter has been manufactured as per the International Standards & ISO 9001:2008 quality standards

ORDERING INFORMATIONS:

PRODUCT NO	MODEL NO	DESCRIPTION
SCT-108.002.29	SCT-PLANCK	SCT-PLANK Radiation Scanner supplied complete with instruction manual.

OPTIONAL ACCESSORIES (ORDER ONLY IF REQUIRED)

ACESSORY	PRODUCT NO.	DESCRIPTION
Battery	SCT-108.002.29 AB	Batteries for SCT-PLANK Radiation Scanner

SCT LCD DIGITAL ANEMOMETER

SALIENT FEATURES:

- A COMPLETE PORTABLE SCT METER FOR AIR / WIND VELOCITY AND TEMPERATURE MEASUREMENTS.
- INSTANT DISPLAY OF THE AIR VELOCITY AND TEMPERATURE
- MAXIMUM, MINIMUM AND AVERAGE VALUE CALCULATION
- EASY AIRFLOW VOLUME CALCULATION (CFM/CMM)
- 10 MEMORIES DATA STORAGE/ RECALLING/ CLEARING
- DATA HOLD/TEST FUNCTION
- ONE HOUR AUTO SHUT OFF FUNCTION
- BATTERY OPERATED WITH LOW BATTERY INDICATION.

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.002.30
MODEL NO.	SCT-LEN
FUNCTION	ON/OFF, HOLD/TEST, °F/°C, 10 MEMORIES, AIR VELOCITY UNIT, AVG MULTI POINT, AIR FLOW VOLUME MEASUREMENT, AVG/MAX/MIN READING
AIR VELOCITY MEASUREMENT	0.5 TO 45.0 M/S (METER PER SECOND) 1.8 TO 162.0 KM/HR (KILOMETER PER HOUR) 1.1 TO 100.0 MPH (MILE PER HOUR) 98 TO 8800 FT/ MIN (FEET PER MINUTE) 1.0 TO 88.0 KNOTS (NAUTICAL MILES PER HOUR)
AIR VELOCITY ACCURACY	±2%
AIR VELOCITY RESOLUTION	0.1
TEMPERATURE RANGE	-50°C ~ +70°C OR -58°F ~ +158°F
TEMPERATURE ACCURACY	±0.5°C FOR 0°C ~ +50°C OR ±0.9°F FOR +32°F ~ +122°F, OTHERWISE ±1°C OR 1.8°F
TEMPERATURE RESOLUTION	0.1° FOR WHOLE RANGE
AMBIENT TEMPERATURE FOR PLASTIC CASE	0°C ~ +50°C OR +32°F ~ +122°F
SENSOR TYPE	NTC
BATTERY	3 X 1.5 VOLTS "AAA" SIZE OR EQUIVALENT
DIMENSION (MM)	UNIT: 85 X 175 X 39 VANE PROBE: 76 X 67 X 32
LCD SIZE (MM)	54 X 35
WEIGHT (G)	UNIT: 200 VANE PROBE: 130



ORDERING INFORMATIONS:

PRODUCT NO	MODEL NO	DESCRIPTION
SCT-108.002.30	SCT-LEN	SCT LEN LCD DIGITAL ANEMOMETER IS SUPPLIED COMPLETE WITH ALL THE ACCESSORIES IN A BOX.

SCT IR (INFRA RED) THERMO ANEMOMETERS (NON CONTACT TYPE)

SALIENT FEATURES :

- A COMPLETE PORTABLE SCT METER FOR AIR VELOCITY, AIR FLOW AND TEMPERATURE MEASUREMENTS.
- SIMULTANEOUS DISPLAY AIR FLOW IN CFM/CMM or AIR VELOCITY PLUS AMBIENT TEMPERATURE
- COMBINATION OF HOTWIRE AND STANDARD THERMISTOR, DELIVER RAPID AND PRECISE MEASUREMENTS EVENT AT LOW AIR VELOCITY
- INFRARED THERMOMETER MEASURES REMOTE SURFACE TEMPERATURE TO 999F (537C) WITH 30:1 DISTANCE TO SPOT RATIO AND LASER POINTER
- WIDE RANGE MEASUREMENTS OF AIR VELOCITY, FAST RESPONSE TIME
- MULTIFUNCTION FOR AIR FLOW MEASUREMENTS : M/S, KM/H, FT/ MIN, KNOTS, MILE/H
- SUPER LARGE LCD WITH DUAL FUNCTION DISPLAY, READ THE AIR VELOCITY AND TEMPERATURE AT THE SAME TIME.
- AC POWER OPERATED.



TECHNICAL SPECIFICATION:

PRODUCT NO	SCT-108.002.31	SCT-108.002.32
MODEL NO.	SCT-LEMA	SCT-LESA
MEASUREMENT	AIR VELOCITY, M/S, FT/MIN, KM/H, MILE/H, KNOTS, TEMP C & F	AIR VELOCITY, M/S, FT/MIN, KM/H, MILE/H, KNOTS, AIR FLOW, CMM(M3/MIN)CFM(FT3/MIN), TEMP C & F
SENSORS	AIR VELOCITY / AIR FLOW SENSOR HOT WIRE, TEMPERATURE THERMOPILE	
SAMPLE TIME	APPROX 0.5 SEC	
OPERATING TEMP	0-50C (32-122F) 10 -90% RH	
STORAGE TEMP	-10 – 60 C (14-140F)	
RECORD FUNCTION	YES (9 POINTS)	
DATA LOGGING	NO	YES (2000 POINTS)
TIME INTERVAL	NO	YES
PC INTERFACE	NO	USB
AC POWER	YES	YES
MULTIPLE LCD DISPLAY	YES	
MAX / MIN / AUG	YES	
AUTO POWER OFF	YES	
LCD BACK LIGHT	YES	
DATA HOLD	YES	
DIMENSION	184(L) X 70(W)X40 (H)mm	
TELESCOPE PROBE	APPROX 320 G	APPROX 310 G
ACCESSORIES	9V BATTERY, INSTRUCTION MANUAL, CARRYING CASE, AC INPUT FOR SCT 108.002.32 INCLUDE USB CABLE, PC INTERFACE, WINDOW BASED SOFTWARE	

AIR VELOCITY		
RANGE		
M/S (METER PER SECOND)		0-40.00M/S
FT/MIN (FEET PER MINUTE)		0-7874.0FT/MIN
KM/H (KILOMETER PER HOUR)		0-144.00 KM/H
MILE/ H(MILES PER HOUR)		0-89.5 MILE/H
KNOT (NAUTICAL MILES PER HOUR)		0-77.75 KNOT
RESOLUTION		
M/S (METER PER SECOND)		0.01M/S
FT/MIN (FEET PER MINUTE)		0.1FT/MIN
KM/H (KILOMETER PER HOUR)		0.01KM/H
MILE/ H(MILES PER HOUR)		0.01MILE/H
KNOT (NAUTICAL MILES PER HOUR)		0.01 KNOT
ACCURACY		
M/S (METER PER SECOND)		+/- (3% +0.03M/S) OF READING
FT/MIN (FEET PER MINUTE)		+/- (3% +5.9FT) OF READING
KM/H (KILOMETER PER HOUR)		+/- (3% +0.11KM/H) OF READING
MILE/ H(MILES PER HOUR)		+/- (3% +0.07MILE/H) OF READING
KNOT (NAUTICAL MILES PER HOUR)		+/- (3% +0.06KNOT) OF READING
AIR FLOW CMM (M3/MIN)		
RANGE		0-72,000(M3/MIN)
CFM(FT3/MIN)		
RANGE		0-2542,700(FT3/MIN)
AREA RESOLUTION		
CMM (m3/min)		0.001
CFM(FT3/MIN)		0.01
AREA		
CMM (m3/min)		0.001-30M2
CFM(FT3/MIN):		0.01-322.92FT2

AIR TEMPERATURE	
RANGE	0-70°C
RESOLUTION	0.1°C
ACCURACY	0.8°C
INFRARED THERMOMETER:	
RANGE	-32 -537.5°C
ACCURACY	+/- 3.0°C FROM -32.0C -20°C +/-2.0°C FROM -20C -100.0°C +/-2% FROM 100 -537.0
RESOLUTION	0.1°C
SPOT RATIO	8:1
EMISSION	0.95 FIXED
	0.10-1.00 ADJUST

ORDERING INFORMATION:

SCT-108.002.31	SCT-LEMA	SCTLEMAIR THERMOANEMOMETERS IS SUPPLIED COMPLETE WITH 9V BATTERY, INSTRUCTION MANUAL AND CARRYING CASE
SCT-108.002.32	SCT-LESA	SCTLESAIR THERMOANEMOMETERS IS SUPPLIED COMPLETE WITH 9V BATTERY, INSTRUCTION MANUAL AND CARRYING CASE, USB CABLE, PC INTERFACE, WINDOW BASED SOFTWARE

SCT PORTABLE TACHOMETERS (ROTATIONAL SPEED)

SALIENT FEATURES:

- A COMPLETE PORTABLE SCT METER FOR ROTATIONAL SPEED (REV) MEASUREMENTS.
- NON-CONTACT AND CONTACT MODE
- HIGHLY RELIABLE AND ACCURATE READING.
- NON-CONTACT AND CONTACT MODE
- LASER SIGHTING OPERATING RANGE UP TO 40 INCHES / 100 CM (LASER)
- AUTO RANGING / FIXED DECIMAL
- TRIPOD MOUNTING BUSHING
- CONTACT ADAPTORS
- BATTERY OPERATED WITH LOW BATTERY INDICATION.

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.002.35	SCT-108.002.36
MODEL NO.	SCT-MANS	SCT-MORAL
ROTATION SPEED (NON-CONTACT)	6.0 - 99999 RPM (REV/MIN)	6.0 - 99999 RPM (REV/MIN)
ROTATION SPEED (CONTACT)		6.0 - 25000 RPM (REV/MIN)
SURFACE SPEED (CONTACT)		0.6 - 2500.0 M/M (M/MIN), 0.7 - 2734.0 Y/M (YARD/MIN), 23.6 - 98425 I/M (INCH/MIN), 2.0 - 8202.1 F/M (FEET/MIN)
LENGTH (CONTACT)		0.1 - 9999.9 M (M) 0.1~10936 YD(YARD) 0.3~32808 FT(FEET)
TOTAL NUMBER OF REVOLUTIONS		1-99999REV(REV)
ACCURACY	6.0 - 5999.9 RPM: ±0.01% AND ±1 DIGIT, 5999.9 - 99999 RPM: ±0.05% AND ±1 DIGIT	6.0 - 5999.9 RPM: ±0.01% AND ±1 DIGIT, 5999.9 - 99999 RPM: ±0.05 AND ±1 DIGIT, SURFACE SPEED, LENGTH 0.5% AND ± 1 DIGIT
DETECTION	LASER DIODE	LASER DIODE
RESOLUTION	6.0 - 9999.9RPM 10000 - 99999RPM: 1 (RPM)	6.0 - 9999.9: 0.1 RPM 10000 - 99999 RPM: 1 RPM
RESPONSE TIME	1 SECOND	1 SECOND
OPERATING TEMP.	0~50OC (32 TO 122OF), 10 TO 90% RH	0~50OC (32 TO 122OF), 10 TO 90% RH
AUTO POWER OFF	AUTOMATICALLY AFTER APPROX. 30S	AUTOMATICALLY AFTER APPROX. 30S
MAX/MIN/AVG	YES	YES
MEMORY	40 POINTS	40 POINTS
BATTERY TYPE	9V(006P,IEC6F22,NEDA1604)	9V(006P,IEC6F22,NEDA1604)
DIMENSIONS	147 X 49 X 29 MM (5.79" X 1.93" X 1.14")	147 X 49 X 29 MM (5.79" X 1.93" X 1.14")
WEIGHT	95G (3.35OZ) APPROX (WITHOUT BATTERY)	95G (3.35OZ) APPROX (WITHOUT BATTERY) CONTACT ADAPTERS : 50G(1.76OZ)
STANDARD ACCESSORIES	9V BATTERY, INSTRUCTION MANUAL, REFLECTIVE TAPE 15 X525 MM (0.59" X 20.67"), CARRYING CASE	9V BATTERY, INSTRUCTION MANUAL, CONE ADAPTER, FUNNEL ADAPTER, CONTACT ADAPTER, MASTER WHEEL (10CM), REFLECTIVE TAPE 15X525MM (0.59"X20.67"), CARRYING CASE



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ORDERING INFORMATION:

SCT-108.002.35	SCT-MANS	SCT MANS TACHOMETER (NON-CONTACT), IS SUPPLIED WITH REFLECTIVE TAPE, W/ USER MANUAL, CARRYING CASE , 9V BATTERY
SCT-108.002.36	SCT-MORAL	SCT MORAL TACHOMETER (NON-CONTACT & CONTACT), IS SUPPLIED WITH CONE ADAPTER, FUNNEL ADAPTER, CONTACT ADAPTER, MASTER WHEEL REFLECTIVE TAPE PACKED IN A BOX.

SCT PORTABLE CO₂ (CARBON DI OXIDE) ANALYZER

SALIENT FEATURES:

- A COMPLETE PORTABLE SCT METER FOR CARBON DIOXIDE MEASUREMENTS.
- LARGE DUAL LCD DISPLAY FOR CO₂, %RH HUMIDITY AND TEMPERATURE.
- PRECISE ADJUSTMENT IN DIFFERENT BAROMETRIC LEVELS (OR PRESSURES).
- CO₂: 0 ~ 9,999 PPM RANGE, DIFFUSION SAMPLING MODE.
- CONTINUOUS DATA LOGGING WITH TIME/DATE.
- ENERGY EFFICIENCY BY SAMPLING TIME MODULATION.
- DATA HOLD & MAXIMUM / MINIMUM WITH TIME STAMP.
- USB POWER SUPPLY.
- DATA MEMORY AND RECALL FUNCTION.
- EASY TO USE USB INTERFACE AND USER FRIENDLY SOFTWARE.
- FAST WARM UP TIME / AUDIBLE ALARM.



TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.002.40	SCT-108.002.41
MODEL NO.	SCT-NASH	SCT-NAVID
MEASURING RANGE	0 TO 9,999 PPM	
ACCURACY	0 TO 5,000 PPM:± (50 PPM+2% OF M.V.)	
	5,001 TO 9,999 PPM:± (100 PPM+3% OF M.V.)	
RESOLUTION	1 PPM	
OPERATING TEMP.	0 TO 50°C (0 TO 122°F)	
STORAGE TEMP.	-20 TO 60°C (-4 TO 140°F)	
MAX/MIN/AVG	YES	
AUDIO ALARM	YES	
TIME / DATE	YES	
DATA HOLD	YES	
USB POWER	YES	
AC POWER	YES	
DATA MEMORY	YES	
DIMENSIONS	184(L)X70(W)X40(H)MM (7.08" X2.75" X1.57")	
WEIGHT	APPROX.217G (7.65 OZ.)	
DATA LOGGING	NO	20,000 POINTS
HUMIDITY	NO	YES
TEMPERATURE	NO	YES
PC INTERFACE	NO	USB
ACCESSORIES	9V BATTERY, INSTRUCTION MANUAL, CARRYING CASE, AC ADAPT ER, AC PLUG (INCL.USA PIN, EUROPEAN PIN), USB CABLE. (PC INTERFACE WINDOW-BASED SOFTWARE)	

ORDERING INFORMATION:

SCT-108.002.40	SCT-NASH	SCT NASH CO2 DETECTOR -I, IS SUPPLIED WITH USER MANUAL, SLEEVE, CARRYING CASE, 9V BATTERY
SCT-108.002.41	SCT-NAVID	SCT NAVID CO2 DETECTOR -II, IS SUPPLIED WITH USER MANUAL, SLEEVE, CARRYING CASE, 9V BATTERY, DATA LOGGING VIA USB, AC POWER ADAPTER

SCT PORTABLE UV METERS (ULTRA VIOLET)

SALIENT FEATURES:

- A COMPLETE PORTABLE SCT METER FOR INTENSITY OF ULTRA VIOLET RAYS MEASUREMENT (UV-A, C+AB)
- BACKLIGHT LCD AND 4 DIGITS DUAL DISPLAY
- HIGH AND LOW MEASUREMENTS
- RANGE IN A UNIT MW/CM2 OR UW/CM2
- SOCKET OF TRIPOD MOUNTING
- AUTOMATIC MEASURING
- MAGNETIC MOUNT
- 20 POINTS MEMORY
- BATTERY OPERATED WITH LOW BATTERY INDICATION.



TECHNICAL SPECIFICATION:

PRODUCT NO.	SCT-108.002.46	SCT-108.002.47	SCT-108.002.48
MODEL NO.	SCT-NEO	SCT-QIANA	SCT-RICKY
SPECTRUM RANGE	220~275	320~380	280~400
CALIBRATION POINT	254 NM	365 NM	365 NM
ILLUMINATION RANGE	1 UW/CM2 ~ 9999 UW/CM2 / 0.01 MW/CM2 ~ 40.00 MW/CM2		
ACCURACY 23 ±5°C(73.5 ±9°F)	±4% ±1 DIGIT		
OVER RANGE	INDICATION "HI-"		
ZERO ADJUST	YES		
AUTO RECORD	YES		
SAMPLE TIME	APPROX. 0.3 SEC.		

DISPLAY	BACKLIGHT LCD AND DUAL DISPLAY
MEMORY	20 POINTS AND 1 FOR INTERVAL TIME
OPERATION TEMPERATURE	0~50°C (32~122°F); 10~90% RH
BATTERY TYPE	9V (006P, IEC6F22, NEDA1604)
WEIGHT	APPROX. 90G
DIMENSION	140 X 49 X 29 CM (5.51 X 1.93 X 1.14 INCH)
ACCESSORY	9V BATTERY, UV SENSOR PROBE, INSTRUCTION MANUAL

ORDERING INFORMATION:

SCT-108.002.46	SCT-NEO	SCT NEO UV-A, METER IS SUPPLIED IWTH UV SENSOR PROBE, USER MANUAL, COLOR BOX, HARD CARRYING CASE, 9V BATTERY
SCT-108.002.47	SCT-QIANA	SCT QIANA UV-C, METER IS SUPPLIED IWTH UV SENSOR PROBE, USER MANUAL, COLOR BOX, HARD CARRYING CASE, 9V BATTERY
SCT-108.002.48	SCT-RICKY	SCT RICKY UV-AB, METER IS SUPPLIED IWTH UV SENSOR PROBE, USER MANUAL, COLOR BOX, SOFT CARRYING CASE, 9V BATTERY

SCT PORTABLE MAGNETIC FIELD METER

SALIENT FEATURES:

- A COMPLETE PORTABLE SCT METER FOR MAGNETIC FIELD MEASUREMENTS.
- AN ELECTROMAGNETIC WAVE SIMPLY MEANS THE WAVE MOTION OF THE ELECTROMAGNETIC FIELD (EMF).
- THIS METER IS APPLIED TO MEASURING ELECTROMAGNETIC FIELDS OF EXTREMELY LOW FREQUENCY (ELF) OF 30HZ TO 300HZ.
- IT IS CAPABLE OF MEASURING THE ELECTROMAGNETIC FIELD RADIATION INTENSITY THAT IS PRODUCED FROM ELECTRIC TRANSMISSION EQUIPMENT, POWER LINE, ELECTRIC OVEN, AIR CONDITIONER, REFRIGERATOR, COMPUTER MONITOR, VIDEO/AUDIO DEVICE AND SO FORTH.
- THE MAGNETIC FIELD UNIT IS TESLA(T), GAUSS(G), MICRO-TESLA(UT) OR MILLI-GAUSS(MG).
- DATA HOLD, MAXIMUM HOLD, OVERLOAD INDICATION.
- BATTERY OPERATED WITH LOW BATTERY INDICATION.

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.002.50
MODEL NO.	SCT-SKYE
RANGE	200 ~ 2000 MG 20 ~ 200 MT
ACCURACY	±(2.5% + 6 DGT) AT 50 HZ/60HZ
RESOLUTION	0.1/1 MG, 0.01/0.1MT
FREQUENCY RESPONSE	30 ~ 300 HZ
SENSOR	SINGLE AXIS
POWER	DC 9V BATTERY
DIMENSION	130 X 56 X 38 MM
WEIGHT	180 G



ORDERING INFORMATION:

SCT-108.002.50	SCT-SKYE	SCT SKYE MAGNETIC FIELD METER IS SUPPLIED WITH 9V BATTERY AND INSTRUCTION MANUAL, PACKED IN A BOX.
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SCT PORTABLE FIELD STRENGTH METER (HF) & (EMF)

SALIENT FEATURES:

- A COMPLETE PORTABLE SCT METER FOR HIGH FREQUENCY (HF) AND ELECTRONIC MAGNETIC (EMF) FIELD MEASUREMENTS.
- MEASUREMENT RANGES: 0.1 ~ 2.700MW/CM2.
- THIS METER IS APPLIED TO MEASURING THE HIGH FREQUENCY(HF) ELECTROMAGNETIC FIELDS FROM 50MHZ TO 3.5GHZ.
- IT IS CAPABLE OF MEASURING THE ELECTROMAGNETIC FIELD STRENGTH, WHICH PRODUCED FROM ELECTRIC TRANSMISSION EQUIPMENT, MOBILE PHONE, WIRELESS LAN(WI-FI) AND MICROWAVE OVEN.
- FUNCTION KEYS: POWER KEY, MAX/MIN KEY, HOLD KEY, ZERO KEY, FREQ TEAM KEY.
- BATTERY OPERATED.

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.002.52
MODEL NO.	SCT-STONE
RANGE	0.010 ~ 2.7 MW/CM2
ACCURACY	FOR REFERENCE AT 1800MHZ ± 2 DB AT 2450 MHZ
RESOLUTION	0.01
POWER	DC 9V BATTERY
DIMENSION	130 X 56 X 38 MM
WEIGHT	180 G

ORDERING INFORMATION:

SCT-108.002.52	SCT-STONE	SCT STONE FIELD STRENGTH METER IS SUPPLIED WITH 9V BATTERY AND INSTRUCTION MANUAL, PACKED IN A BOX.
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SCT PORTABLE LEAK DETECTOR METER

SALIENT FEATURES:

- A COMPLETE SCT PORTABLE METER FOR REFRIGERANT LEAK DETECTION.
- CAN DETECT ALL CHLORO FLURO CARBONS (CFC)
- SAE J2791 COMPATIBILITY, HCFC AND HFCS
- THREE RANGE OF MEASUREMENTS 4G/7G & 14G
- WITH AUDIO ALARM
- AUTO POWER SHUT-OFF IN 10 MINUTES.
- BATTERY OPERATED WITH LOW BATTERY INDICATION.



TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.002.53
MODEL NO.	SCT-FRIDGE
SENSING	HEATED DIODE
REFRIGERANTS	R-22, R-134A, R-404A, R-410A, AND ALL CFCS, HCFC AND HFCS
SENSITIVITY LEVELS	HIGH 0.15 OZ. / YEAR (4G / YEAR)
	MEDIUM 0.25 OZ. / YEAR (7G/YEAR)
	LOW 0.5 OZ. / YEAR (14G/YEAR)
	(COMPATIBILITY WITH SAE J2791)
RESET	MANUALLY RESET TO BACKGROUND LEVEL
	AUTOMATICALLY RESET TO BACKGROUND LEVEL
RESPONSE TIME	LESS THAN 0.5 SECOND
WARM UP TIME	APPROX. 45 SECONDS.
BATTERY TYPE	3.7V DC, 800M AH RECHARGEABLE LITHIUM BATTERY.
BATTERY LIFE	3 HOURS IN ALL @400 MA, 32°F ~ 113°F (0~45°C)
SENSOR FAILURE INDICATION	YES
AUDIO ALARM	YES (SPEAKER)
PUMP SYSTEM (FAN)	YES
AUTO POWER OFF	10 MINUTES OF IDLE
LOW BATTERY INDICATOR	YES
TIP LIGHT	YES
FLEXIBLE PROBE LENGTH	18" (450MM)
OPERATING TEMP. AND % RH	32~122°F (0~50°C) <80% RH
STORAGE TEMP. AND % RH	14~140°F (-10 ~ 60°C) < 70% RH
DIMENSIONS	7.2" X 2.8" X 1.6" (184X70X40 MM)
WEIGHT	10.7 OZ (300 G)
ACCESSORIES	USER'S MANUAL, CARRYING CASE, LEAK TEST BOTTLE AC ADAPTER, HOLSTER



ORDERING INFORMATION:

SCT-108.002.53	SCT-FRIDGE	SCT FRIDGE PORTABLE LEAK IS DETECTOR SUPPLIED COMPLETE WITH USER'S MANUAL, CARRYING CASE, LEAK TEST BOTTLE AC ADAPTER, HOLSTER.
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SCT PORTABLE SOLAR POWER METER

SALIENT FEATURES:

- A COMPLETE PORTABLE SCT METER FOR SOLAR POWER MEASUREMENTS.
- END-MOUNT LIGHT SENSORS.
- SELECT EITHER POWER OR TRANSMISSION.
- SELECT EITHER W/M2 OR BTU / (FT2XH) UNITS
- DATA HOLD / MAX / MIN MODES

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.002.54
MODEL NO.	SCT-SOLAR
RANGE	2000 W/M2 634 BTU (FT 2XH)
ACCURACY	TYPICALLY WITHIN + 10 W/M2 [+3 BTU (FT2XH)] OR +5%
RESOLUTION	0.1 W/M2 0.1 BTU/(FT2XH)
POWER	DC 9V BATTERY
DIMENSION	130 X 55 X 39 MM
WEIGHT	150 G



ORDERING INFORMATION:

SCT-108.002.54	SCT-SOLAR	SCT SOLAR PORTABLE SOLAR POWER METER IS SUPPLIED COMPLETE WITH 9V BATTERY AND INSTRUCTION MANUAL, PACKED IN A BOX.
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SCT K-TYPE THERMOCOUPLE THERMOMETER

SALIENT FEATURES:

- A COMPLETE PORTABLE SCT METER FOR TEMPERATURE MEASUREMENTS.
- ONE HOUR AUTO SHUT OFF
- TEMPERATURE SENSING TIME 1 SECOND.
- PVC HOLSTER WITH FLIP-OUT STAND AT THE BACK OF UNIT
- BATTERY OPERATED WITH LOW BATTERY INDICATION.

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.002.56
MODEL NO.	SCT-STORM
MEASUREMENT RANGE	-200°C ~ +1370°C OR -328°F ~ + 2498°F
RESOLUTION:	0.1°C FOR -199.9°C ~ +1369.9°C
ACCURACY	± 2°C FROM -200°C ~ -50°C (OR 4°F FROM -328°F ~ -58°F)
	± 1°C FROM -49°C ~ +740°C (OR 1.8°F FROM -56.2°F ~ +1364°F)
	± 2°C FROM +741°C ~ +1300°C (OR 4°F FROM +1365.8°F ~ +2372°F), OTHERWISE MORE THAN 2°C OR 4°F.
	ACCURACY IS SPECIFIED FOR OPERATING TEMPERATURES OVER THE RANGE OF 18°C TO 28°C (64°F TO 82°F). THE BASIC ACCURACY SPECIFICATION DOES NOT INCLUDE THE ERROR OF THE THERMOCOUPLE PROBE.
AMBIENT TEMPERATURE FOR PLASTIC CASING	0°C ~ +50°C (OR +14°F ~ +122°F)
OPERATION	PRESS ON/OFF, THE TIMER BEGINS TO COUNT. THE TEMPERATURE DISPLAYS.
TEMPERATURE MEASUREMENT	PRESS °F/°C TO SELECT DESIRED UNIT.
HOLD/TEST FUNCTION	PRESS H/T, "HOLD" SIGN FLASHES ON THE DISPLAY TO RETAIN TEMPERATURE TESTED. PRESS H/T AGAIN AND WILL GO BACK TO TESTING MODE. "HOLD" SIGN WILL DISAPPEAR.



ORDERING INFORMATIONS:

SCT-108.002.56	SCT-STORM	SCT-STORM K-TYPE THERMOCOUPLE THERMOMETER IS SUPPLIED COMPLETE WITH BATTERIES AND INSTRUCTION MANUAL, PACKED IN A BOX.
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* PLS NOTE PROBES ARE NOT INCLUDED, PLEASE SELECT FROM THE OPTIONAL ACCESSORIES IN THE NEXT PAGES.

SCT K-TYPE THERMOCOUPLE PROBES FOR SCT MODEL STORM

K-TYPE THERMOCOUPLE PROBE - PENETRATION PROBE



PRODUCT NO.	LENGTH (MM) & DIAMETER	TEMPERATURE
SCT-108.002.K1	225 X Ø6.4	-100°C ~ +1000°C OR -148°F ~ +1832°F
SCT-108.002.K2	225 X Ø4.8	-100°C ~ +900°C OR -148°F ~ +1652°F
SCT-108.002.K3	175 X Ø3.2	-100°C ~ +800°C OR -148°F ~ +1472°F
SCT-108.002.K4	133 X Ø3.5	-100°C ~ +300°C OR -148°F ~ +572°F

K-TYPE THERMOCOUPLE PROBE – IMMERSION PROBE



PRODUCT NO.	LENGTH (MM) & DIAMETER	TEMPERATURE
SCT-108.002.L1	225 X Ø6.4	-100°C ~ +1000°C OR -148°F ~ +1832°F
SCT-108.002.L2	225 X Ø4.8	-100°C ~ +900°C OR -148°F ~ +1652°F
SCT-108.002.L3	175 X Ø3.2	-100°C ~ +800°C OR -148°F ~ +1472°F
SCT-108.002.L4	148 X Ø4	-100°C ~ +300°C OR -148°F ~ +572°F

K-TYPE THERMOCOUPLE PROBE – SURFACE PROBE



PRODUCT NO.	LENGTH (MM) & DIAMETER	TEMPERATURE
SCT-108.002.M1	265 X Ø8.00	-100°C ~ +400°C OR -148°F ~ +752°F
SCT-108.002.M2	265 X Ø18.00	-100°C ~ +400°C OR -148°F ~ +752°F
SCT-108.002.M3	213 X Ø15.00	-100°C ~ +400°C OR -148°F ~ +752°F
SCT-108.002.M4	225 X Ø16.00	-100°C ~ +400°C OR -148°F ~ +752°F
SCT-108.002.M5	230 X Ø16.00	-100°C ~ +400°C OR -148°F ~ +752°F
SCT-108.002.M6	Ø18.00	-100°C ~ +400°C OR -148°F ~ +752°F



PRODUCT NO.	LENGTH (MM) & DIAMETER			TEMPERATURE
	HANDLE	PROBE	PROBE HEAD	
SCT-108.002.N1	150 X Ø18	219 X Ø6.4	Ø16	-100°C ~ +400°C OR -148°F ~ +752°F
SCT-108.002.N2	150 X Ø18	219 X Ø4.8	Ø13.7	-100°C ~ +400°C OR -148°F ~ +752°F



PRODUCT NO.	LENGTH (MM) & DIAMETER		TEMPERATURE
	PROBE	PROBE HEAD	
SCT-108.002.O1	230 X Ø4	Ø12	-100°C ~ +300°C OR -148°F ~ +572°F



P1



P2

PRODUCT NO.	TEMPERATURE
SCT-108.002.P1	-100°C ~ +400°C OR -148°F ~ +752°F
SCT-108.002.P2	-100°C ~ +400°C OR -148°F ~ +752°F



Q1



Q2

PRODUCT NO.	LENGTH (MM) & DIAMETER	TEMPERATURE
SCT-108.002.Q1	150 X Ø8.00	-100°C ~ +600°C OR -148°F ~ +1112°F
SCT-108.002.Q2	Ø18.00	-100°C ~ +600°C OR -148°F ~ +1112°F



R1

PRODUCT NO.	LENGTH (MM) & DIAMETER		TEMPERATURE
	PROBE	PROBE HEAD	
SCT-108.002.R1	213 x Ø3.5	40mm x 5.5mm	-100°C ~ +300°C OR -148°F ~ +572°F

SCT STORM-1 DIGITAL THERMOCOUPLE THERMOMETER

SALIENT FEATURES :

- SCT- STORM-1 HAS BEEN DESIGNED IN A COMPACT,ATTRACTIVE & ERGONOMIC WAY.
- SCT- STORM-1 HAS CLEAR LCD DISPLAY WITH BACKLIGHT
- SCT- STORM-1 HAS A WIDE RANGE OF TEMP MEASUREMENT -50-1300°C / -58-2000°F
- SCT- STORM-1 HAS USER SELECTABLE °C OR °F AND WITH RESOLUTION °F 0.1°C OR 1°C (0.1OF OR 1°C)
- SCT- STORM-1 HAS TYPE K THERMOCOUPLES AND SINGLE THERMOCOUPLE INPUT
- SCT- STORM-1 HAS MAX HOLD AND DATA HOLD FUNCTIONS
- THIS METER HAS BEEN MANUFACTURED AS PER THE INTERNATIONAL STANDARDS & ISO 9001:2008 QUALITY STANDARDS.

TECHNICAL SPECIFICATIONS :

PRODUCT NO	SCT-108.002.57
MODEL NO	SCT-STORM-1
TEMPERATURE	-50-1300°C / -58-2000°F
ACCURACY	±(0.5%±1°C) / ± (0.5%±2°F)
RESOLUTION	0.1°



ORDERING INFORMATION:

PRODUCT NO	MODEL NO.	DESCRIPTION
SCT-108.002.57	SCT-STORM-1	SCT STORM-1 DIGITAL THERMOCOUPLE THERMOMETER IS SUPPLIED WITH 9V BATTERY, HOLSTER WITH STAND, TYPE K TEMPERATURE WIRE PROBE WITH CARRYING CASE.

Optional Accessories (order only if required)

ACCESSORY	SCT-PRODUCT NO	DESCRIPTION
PROBE	SCT-108.002.57 AA	K-TYPE TEMPERATURE PROBE
BATTERIES	SCT-108.002.57 AB	BATTERIES FOR SCT-STORM-1

SCT PORTABLE LCD DIGITAL MULTI - THERMOMETER

SALIENT FEATURES:

- A COMPLETE PORTABLE SCT METER FOR TEMPERATURE MEASUREMENTS.
- AUTO SHUT-OFF.
- TEMPERATURE SENSING TIME 1 SECOND .
- 213MM. STAINLESS STEEL SENSOR PROBE.
- MAX/MIN (°F/°C) MEMORY RECALLING FUNCTION.
- TEMPERATURE UNIT °F/°C SELECTABLE.
- DATA HOLD/TEST FUNCTION SELECTABLE .
- BATTERY OPERATED WITH LOW BATTERY INDICATION.

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.002.60
MODEL NO.	SCT-STAR
MEASUREMENT RANGE	-50°C ~ +150°C OR -58°F ~+302°F
RESOLUTION	0.1°C FOR -19.9°C ~ +199.9°C, OTHERWISE 1°C
ACCURACY	±1°C IN THE RANGE OF -30°C ~ +150°C ±1.8°F IN THE RANGE OF -22°F ~ +302°F
AMBIENT TEMPERATURE FOR PLASTIC CASE	0°C ~ +50°C OR +14°F ~+122°F
BATTERY	1 X 1.5 VOLTS



ORDERING INFORMATION:

SCT-108.002.60	SCT-STAR	SCT-STAR LCD DIGITAL MULTI – THERMOMETER WITH 213 MM STAINLESS STEEL PROBE, ON/OFF, H/T, °F/°C, MAX/MIN (°F/°C) MEMORY RECALLING IS SUPPLIED WITH TEMPERATURE PROBE (213 MM) BATTERIES AND INSTRUCTIONS PACKED IN A BOX.
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SCT LCD WATERPROOF SOIL THERMOMETER WITH HOLDER AND DETACHABLE PROBE

SALIENT FEATURES:

- A COMPLETE PORTABLE SCT METER FOR TEMPERATURE MEASUREMENTS IN SOIL AND CAN BE USED FOR GENERAL APPLICATIONS.
- AUTO SHUT-OFF.
- 265 mm x 5 mm DIA STAINLESS STEEL SENSOR PROBE
- MAX/MIN (°F/°C) MEMORY RECALLING FUNCTION
- TEMPERATURE UNIT °F/°C SELECTABLE
- DATA HOLD/TEST FUNCTION SELECTABLE
- OPTIONAL PVC HOLSTER
- RUBBER COATED HOUSING
- TEMPERATURE SENSING TIME 1 SECOND.
- BATTERY OPERATED WITH LOW BATTERY INDICATION.

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.002.61
MODEL NO.	SCT-STASH
MEASUREMENT RANGE	-50°C ~ +300°C OR -58°F ~+572°F
RESOLUTION	0.1°C FOR -19.9°C ~ +199.9°C, OTHERWISE 1°C
ACCURACY	±1°C IN THE RANGE OF -30°C ~ +150°C
AMBIENT TEMPERATURE FOR PLASTIC CASE	0°C ~ +50°C OR +14°F ~ +122°F
BATTERY	1 X 1.5 VOLTS



ORDERING INFORMATION:

SCT-108.002.61	SCT-STASH	SCT-STASH LCD WATERPROOF THERMOMETER WITH HOLDER AND DETACHABLE 300 MM STAINLESS STEEL PROBE WITH ON/OFF, H/T, MAX/MN (°F/°C) MEMORY RECALLING FUNCTION, °F/°C IS SUPPLIED COMPLETE WITH BATTERIES AND INSTRUCTION PACKED IN A BOX.
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SCT-NON CONTACT THERMOMETER

SCT PORTABLE INFRARED THERMOMETERS (GENERAL PURPOSE)

SALIENT FEATURES:

- A COMPLETE PORTABLE SCT METER FOR NON CONTACT TEMPERATURE MEASUREMENTS.
- TEMPERATURE RANGE (-20°C TILL 320°C)
- RUGGED AND ERGONOMIC DESIGN FOR GENERAL PURPOSES.
- ULTRA LOW POWER CONSUMPTION IN SHUTDOWN MODE.
- EXTENDED LONG TIME MEASURING RELIABILITY.
- BACKLIGHT LCD DISPLAY / AUTO SHUT-OFF IN 6 SECONDS
- LASER SIGHTING ON/OFF IS SWITCHABLE.
- OPTION TO SELECT °C/°F
- BATTERY OPERATED.

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.002.66
MODEL NO.	SCT-KARAN
DISTANCE/SPOT RATIO	8:1
TEMPERATURE RANGE	-20~320°C (-4°F~605 °F)
ACCURACY (ASSUMES OPERATION AMBIENT TEMPERATURE OF 25°C/77°F)	±2% °F READING OR ±2°C WHICHEVER IS GREATER
THERMOPILE	5~14MM
REPEATABILITY	±1°C (±2°F)
RESOLUTION	0.5°C (0.5°F)
RESPONSE TIME	500MS
OPERATION TEMP	0~50°C (32~122°F), 10~90%RH
AUTO POWER OFF	AUTOMATICALLY AFTER APPROX. 6SEC
EMISSION	FIXED AT 0.95
STORAGE TEMP.	-10 ~ 60°C (14°F ~ 140°F)
°C/°F SWITCHABLE	YES
BACKLIGHT	YES
LASER SIGHT SWITCHABLE	YES
DIMENSIONS	155.9×100×32MM (6.14" ×3.95" ×1.26")



ORDERING INFORMATION:

SCT-108.002.66	SCT-KARAN	SCT KARAN INFRARED THERMOMETER IS SUPPLIED WITH 9V DC BATTERY, CASE & MANUAL.
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SCT PORTABLE INFRARED THERMOMETERS (WIDE RANGE)

SALIENT FEATURES:

- A COMPLETE PORTABLE SCT METER FOR NON CONTACT TEMPERATURE MEASUREMENTS.
- TEMPERATURE RANGE (-20°C TILL 500°C)
- RUGGED AND ERGONOMIC DESIGN FOR GENERAL PURPOSES.
- ULTRA LOW POWER CONSUMPTION IN SHUTDOWN MODE.
- EXTENDED LONG TIME MEASURING RELIABILITY.
- BACKLIGHT LCD DISPLAY.
- AUTO SHUT-OFF IN 6 SECONDS.
- LASER SIGHTING ON/OFF IS SWITCHABLE.
- OPTION TO SELECT °C/°F
- BATTERY OPERATED.

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.002.67
MODEL NO.	SCT-THOMS
DISTANCE/SPOT RATIO	8:1
TEMPERATURE RANGE	-20°C ~ 500°C (-4°F ~ 930°F)
ACCURACY (ASSUMES OPERATION AMBIENT TEMPERATURE OF 25°C/77°F)	±2.0°C (±3°F) FROM -20 ~ 100°C (-4°F ~ 212°F), ±2% FROM 100°C ~ 500°C (212°F ~ 930°F)
THERMOPILE	5~14MM
REPEATABILITY	±1°C (±2°F)
RESOLUTION	0.2°C (0.2°F)
RESPONSE TIME	500 MS
OPERATION TEMP	0~50°C (32°F~122°F), 10~90%RH
AUTO POWER OFF	AUTOMATICALLY AFTER APPROX. 6SEC
EMISSION	FIXED AT 0.95
STORAGE TEMP.	-10°C ~ 60°C (14°F ~ 140°F)
°C/°F SWITCHABLE	YES
BACKLIGHT	YES
LASER SIGHT SWITCHABLE	YES
DIMENSIONS	155.9×100×32MM (6.14" ×3.95" ×1.26")



SCT PORTABLE INFRARED THERMOMETERS (HIGH PERFORMANCE 12:1)

SALIENT FEATURES:

- A COMPLETE PORTABLE SCT METER FOR NON CONTACT TEMPERATURE MEASUREMENTS.
- NEW SERIES INCLUDES HIGH PERFORMANCE, GENERAL PURPOSE.
- TEMPERATURE RANGE -32°C TO 535°C.
- FIXED EMISSIVITY @ 0.95.
- ULTRA LOW POWER CONSUMPTION IN SHUT DOWN MODE.
- EXTENDED LONG TIME MEASURING RELIABILITY.
- LASER SIGHTING ON/OFF IS SWITCHABLE.
- HIGH DS RATIO.
- BACKLIGHT LCD DISPLAY.
- OPTION TO SELECT °C/°F
- ELECTRONIC TRIGGER LOCK.
- TEMPERATURE DATA STORAGE.
- AUDIBLE ALARMS.
- BATTERY OPERATED.

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.002.68
MODEL NO.	SCT-VAND
DISTANCE/SPOT RATIO	12:1
TEMPERATURE RANGE	-32~535°C (-25°F~999°F)
ACCURACY (ASSUMES OPERATION AMBIENT TEMPERATURE OF 25°C / 77°F)	±3°C (±5°F) FROM -32°C~-20°C (-25~-4°F)
	±2°C (±3°F) FROM -20°C~100°C (-4~212°F)
	±2%FROM 100°C~535°C (212°F~999°F)
THERMOPILE	5~14MM
REPEATABILITY	±1°C (±2°F)
RESOLUTION	0.1°C (0.1°F)
RESPONSE TIME	500 MS
OPERATION TEMP	0~50°C (32~122°F),10~90%RH
AUTO POWER OFF	AUTOMATICALLY AFTER APPROX. 6 SEC
EMISSIVITY	0.95
°C/°F SWITCHABLE	YES
BACKLIGHT	YES
LASER SIGHT SWITCHABLE	YES
MAX/MIN/AVG./ΔT	NO
AUTO-MEASURING	NO
10 POINT MEMORY	NO
AUDIO ALARM	NO
BATTERY TYPE	9V, 006P, IEC6F22, NEDA1604
DIMENSIONS	170×133×45 MM (6.69" ×5.23" ×1.77")
WEIGHT	187G APPROX
ACCESSORY	9V BATTERY, INSTRUCTION MANUAL , CARRYING CASE



ORDERING INFORMATION:

SCT-108.002.68	SCT-VAND	SCT VAND INFRARED THERMOMETERS IS SUPPLIED WITH 9V DC BATTERY, INSTRUCTION MANUAL, CARRYING CASE
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SCT PORTABLE INFRARED THERMOMETERS (HIGH PERFORMANCE)

SALIENT FEATURES:

- A COMPLETE PORTABLE SCT METER FOR NON CONTACT TEMPERATURE MEASUREMENTS.
- NEW SERIES INCLUDES HIGH PERFORMANCE, GENERAL PURPOSE (12:1)
- FIXED EMISSIVITY, FIXED @ 0.95.
- TEMPERATURE RANGE -32°C TO 535°C
- ULTRA LOW POWER CONSUMPTION IN SHUTDOWN MODE.
- EXTENDED LONG TIME MEASURING RELIABILITY.
- LASER SIGHTING ON/OFF IS SWITCHABLE.
- HIGH DS RATIO.
- BACKLIGHT LCD DISPLAY WITH AUTO SHUT-OFF IN 6 SECONDS.
- OPTION TO SELECT °C/°F
- ELECTRONIC TRIGGER LOCK.
- TEMPERATURE DATA STORAGE.
- AUDIBLE ALARMS.
- BATTERY OPERATED.



TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.002.69
MODEL NO.	SCT-VINNY
DISTANCE/SPOT RATIO	12:1
TEMPERATURE RANGE	-32°C~535°C (-25°F~999°F)
ACCURACY (ASSUMES OPERATION AMBIENT TEMPERATURE OF 25°C / 77°F)	±3°C (±5°F) FROM -32°C~-20°C (-25°F~-4°F)
	±2°C (±3°F) FROM -20~100°C (-4°F~212°F)
	±2% FROM 100°C~535°C (212°F~999°F)
THERMOPILE	5~14MM
REPEATABILITY	±1°C (±2°F)
RESOLUTION	0.1°C (0.1°F)
RESPONSE TIME	500 MS
OPERATION TEMP	0~50°C (32°F~122°F), 10~90%RH
AUTO POWER OFF	AUTOMATICALLY AFTER APPROX. 6SEC
EMISSIONITY	0.95
°C/°F SWITCHABLE	YES
BACKLIGHT	YES
LASER SIGHT SWITCHABLE	YES
MAX/MIN/AVG./ΔT	YES
AUTO-MEASURING	YES
10 POINT MEMORY	YES
AUDIO ALARM	YES
BATTERY TYPE	9V , 006P, IEC6F22 , NEDA1604
DIMENSIONS	170×133×45 MM(6.69" ×5.23" ×1.77")
WEIGHT	187G APPROX
ACCESSORY	9V BATTERY , INSTRUCTION MANUAL, CARRYING CASE

ORDERING INFORMATION:

SCT-108.002.69	SCT-VINNY	SCT VINNY INFRARED THERMOMETER IS SUPPLIED WITH 9V DC BATTERY, INSTRUCTION MANUAL, CARRYING CASE
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SCT PORTABLE INFRARED THERMOMETERS (HIGH PERFORMANCE & ACCURACY)

SALIENT FEATURES:

- A COMPLETE PORTABLE SCT METER FOR NON CONTACT TEMPERATURE MEASUREMENTS.
- NEW SERIES INCLUDES HIGH PERFORMANCE, HIGH ACCURACY.
- EMISSIONITY ADJUSTABLE FROM 0.1 TO 1.00 IN 0.01 STEPS (ADJUSTABLE).
- EXTENDED LONG TIME MEASURING RELIABILITY.
- LASER SIGHTING ON/OFF IS SWITCHABLE.
- HIGH DS RATIO
 - BACKLIGHT LCD DISPLAY.
- OPTION TO SELECT °C/°F.
 - TEMPERATURE DATA STORAGE.
- AUDIBLE ALARMS.
 - BATTERY OPERATED.

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.002.70
MODEL NO.	SCT-WILL
DISTANCE/SPOT RATIO	12:1
TEMPERATURE RANGE	-32~535°C (-25~999°F)
ACCURACY (ASSUMES OPERATION AMBIENT TEMPERATURE OF 25°C / 77°F)	±3°C(±5°F) FROM-32~-20°C (-25~-4°F)
	±2°C(±3°F) FROM-20~100°C (-4~212°F)
	±2% FROM100~535°C (212~999°F)
THERMOPILE	5~14MM
REPEATABILITY	±1°C(±2°F)
RESOLUTION	0.1°C(0.1°F)
RESPONSE TIME	500MS
OPERATION TEMP	0~50°C(32~122°F),10~90%RH
AUTO POWER OFF	AUTOMATICALLY AFTER APPROX. 6SEC
EMISSIONITY	ADJ 0.1-1.0
°C/°F SWITCHABLE	YES
BACKLIGHT	YES
LASER SIGHT SWITCHABLE	YES
MAX/MIN/AVG./ΔT	YES
AUTO-MEASURING	YES
10 POINT MEMORY	YES
AUDIO ALARM	YES
BATTERY TYPE	9V , 006P , IEC6F22 , NEDA1604
DIMENSIONS	170×133×45 MM(6.69" ×5.23" ×1.77")
WEIGHT	187G APPROX
ACCESSORY	9V BATTERY , INSTRUCTION MANUAL , CARRYING CASE



ORDERING INFORMATION:

SCT-108.002.70	SCT-WILL	SCT WILL INFRARED THERMOMETER IS SUPPLIED WITH 9V DC BATTERY, INSTRUCTION MANUAL, CARRYING CASE
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SCT PORTABLE INFRARED THERMOMETERS (HIGH TEMPERATURE 999°C)

SALIENT FEATURES:

- A COMPLETE PORTABLE SCT METER FOR NON CONTACT TEMPERATURE MEASUREMENTS.
- TEMPERATURE RANGE : -50°C TO 999°C
- FIXED EMISSIVITY @ 0.95
- ULTRA LOW POWER CONSUMPTION IN SHUTDOWN MODE.
- EXTENDED LONG TIME MEASURING RELIABILITY.
- LASER SIGHTING ON/OFF IS SWITCHABLE.
- HIGH DS RATIO.
- BACKLIGHT LCD DISPLAY.
- ELECTRONIC TRIGGER LOCK.
- OPTION TO SELECT °C/°F
- BATTERY OPERATED.

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.002.71
MODEL NO.	SCT-WIND
DISTANCE / SPOT RATIO	12:1
TEMPERATURE RANGE	-50~999°C (-58~1830°F)
ACCURACY (ASSUMES OPERATION AMBIENT TEMPERATURE OF 25°C/77°F)	±3°C(±5°F)FROM-50~-20°C (-58~-4°F)
	±2°C(±3°F)FROM-20~100°C (-4~212°F)
	±2% FROM100~999°C (212~1830°F)
THERMOPILE	8~14MM
REPEATABILITY	±1°C (±2°F)
RESOLUTION	1°C OR 1°F
RESPONSE TIME	500MS
OPERATING TEMP	0~50°C(32~122°F) , 10~90% RH
AUTO POWER OFF	AUTOMATICALLY AFTER APPROX. 6SEC
EMISSIVITY	0.95
°C/°F SWITCHABLE	YES
BACKLIGHT	YES
LASER SIGHT SWITCHABLE	YES
MAX/MIN/AVG./ΔT	NO
AUTO-MEASURING	NO
10 POINT MEMORY	NO
AUDIO ALARM	NO
BATTERY TYPE	9V , 006P , IEC6F22 , NEDA1604
DIMENSIONS	170×133×45 MM(6.69" ×5.23" ×1.77")
WEIGHT	187G APPROX
ACCESSORY	9V BATTERY, INSTRUCTION MANUAL, CARRYING CASE



ORDERING INFORMATION:

SCT-108.002.71	SCT-WIND	SCT WIND INFRARED THERMOMETER IS SUPPLIED WITH 9V DC BATTERY, INSTRUCTION MANUAL, CARRYING CASE
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SCT PORTABLE INFRARED THERMOMETERS (HIGH PERFORMANCE & FIXED)

SALIENT FEATURES:

- A COMPLETE PORTABLE SCT METER FOR NON CONTACT TEMPERATURE MEASUREMENTS.
- TEMPERATURE RANGE : -50°C TO 999°C
- FIXED EMISSIVITY @ 0.95
- EXTENDED LONG TIME MEASURING RELIABILITY.
- LASER SIGHTING ON/OFF IS SWITCHABLE.
- HIGH DS RATIO / MAX-MIN / cf / ΔT
- BACKLIGHT LCD DISPLAY WITH AUDIO ALARM.
- OPTION TO SELECT °C/°F
- ELECTRONIC TRIGGER LOCK.
- 10 POINT MEMORY BATTERY OPERATED.

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.002.72
MODEL NO.	SCT-XANDY
DISTANCE/SPOT RATIO	12:1
TEMPERATURE RANGE	-50~999°C(-58~1830°F)
ACCURACY (ASSUMES OPERATION AMBIENT TEMPERATURE OF 25°C/77°F)	±3°C(±5°F)FROM-50~-20°C(-58~-4°F)
	±2°C(±3°F)FROM-20~100°C(-4~212°F)
	±2%FROM 100~999°C(212~1830°F)
THERMOPILE	8~14MM
REPEATABILITY	±1°C(±2°F)
RESOLUTION	1°C OR 1°F
RESPONSE TIME	500MS



OPERATING TEMP	0~50°C(32~122°F) , 10~90% RH
AUTO POWER OFF	AUTOMATICALLY AFTER APPROX. 6SEC
EMISSIONITY	0.95
°C/°F SWITCHABLE	YES
BACKLIGHT	YES
LASER SIGHT SWITCHABLE	YES
MAX/MIN/AVG./ΔT	YES
AUTO-MEASURING	YES
10 POINT MEMORY	YES
AUDIO ALARM	YES
BATTERY TYPE	9V , 006P , IEC6F22 , NEDA1604
DIMENSIONS	170×133×45 MM(6.69" ×5.23" ×1.77")
WEIGHT	187G APPROX
ACCESSORY	9V BATTERY , INSTRUCTION MANUAL , CARRYING CASE

ORDERING INFORMATIONS:

SCT-108.002.72	SCT-XANDY	SCT XANDY INFRARED THERMOMETER IS SUPPLIED WITH 9V DC BATTERY, INSTRUCTION MANUAL, CARRYING CASE
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SCT PORTABLE INFRARED THERMOMETERS (HIGH PERFORMANCE WITH ADJ. EMISSIONITY)

SALIENT FEATURES:

- A COMPLETE PORTABLE SCT METER FOR NON CONTACT TEMPERATURE MEASUREMENTS.
- TEMPERATURE RANGE : -50°C TO 999°C
- ADJUSTABLE EMISSIONITY FROM 0.1 TO 1.0
- ULTRA LOW POWER CONSUMPTION IN SHUTDOWN MODE.
- EXTENDED LONG TIME MEASURING RELIABILITY.
- LASER SIGHTING ON/OFF IS SWITCHABLE.
- HIGH DS RATIO / MAX-MIN / AVG. / ΔT
- BACKLIGHT LCD DISPLAY.
- OPTION TO SELECT °C/°F
- ELECTRONIC TRIGGER LOCK.
- AUTO MEASURING
- 10 POINTS MEMORY
- BATTERY OEPATED.

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.002.73
MODEL NO.	SCT-XARIA
DISTANCE/SPOT RATIO	12:1
TEMPERATURE RANGE	-50~999°C(-58~1830°F)
ACCURACY	±3°C(±5°F)FROM-50~-20°C(-58~-4°F)
(ASSUMES OPERATION AMBIENT TEMPERATURE OF 25°C/77°F)	±2°C(±3°F)FROM-20~100°C(-4~212°F)
	±2%FROM 100~999°C(212~1830°F)
THERMOPILE	8~14MM
REPEATABILITY	±1°C(±2°F)
RESOLUTION	1°C OR 1°F
RESPONSE TIME	500MS
OPERATING TEMP	0~50°C(32~122°F) , 10~90% RH
AUTO POWER OFF	AUTOMATICALLY AFTER APPROX. 6SEC
EMISSIONITY	ADJ 0.1-1.0
°C/°F SWITCHABLE	YES
BACKLIGHT	YES
LASER SIGHT SWITCHABLE	YES
MAX/MIN/AVG./ΔT	YES
AUTO-MEASURING	YES
10 POINT MEMORY	YES
AUDIO ALARM	YES
BATTERY TYPE	9V, 006P, IEC6F22 , NEDA1604
DIMENSIONS	170×133×45 MM (6.69" ×5.23" ×1.77")
WEIGHT	187G APPROX
ACCESSORY	9V BATTERY , INSTRUCTION MANUAL , CARRYING CASE



ORDERING INFORMATIONS:

SCT-108.002.73	SCT-XARIA	SCT XARIA INFRARED THERMOMETER IS SUPPLIED WITH 9V DC BATTERY, INSTRUCTION MANUAL, CARRYING CASE
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SCT PORTABLE INFRARED THERMOMETERS (MEDIUM SPOT RATIO 30:1)

SALIENT FEATURES:

- A COMPLETE PORTABLE SCT METER FOR NON CONTACT TEMPERATURE MEASUREMENTS.
- RUGGED & ERGONOMIC DESIGN.
- HIGH DS RATIO / SPOT RATIO 30:1
- ADJUSTABLE EMISSIVITY FROM 0.1 TILL 1.0
- BACKLIGHT DUAL DISPLAY LCD.
- NEW SERIES FOR GENERAL PURPOSES.
- ULTRA LOW POWER CONSUMPTION IN SHUTDOWN MODE.
- EXTENDED LONG TIME MEASURING RELIABILITY.
- LASER SIGHTING ON/OFF IS SWITCHABLE.
- OPTION TO SELECT °C/°F
- ELECTRONIC TRIGGER LOCK.
- TEMPERATURE DATA STORAGE.
- AUDIBLE ALARMS.
- BATTERY OPERATED.

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.002.74
MODEL NO.	SCT-ZEAL
DISTANCE/SPOT RATIO	30:1
TEMPERATURE RANGE	-32~ 760°C(-25.6~ 1400°F)
ACCURACY (ASSUMES OPERATION AMBIENT TEMPERATURE OF 25°C/77°F)	±3°C(±5°F) -32~ -20°C(-25.6~ -4°F) ±2°C(±3°F) -20~ 100°C(-4~ 212°F) ABOVE 100°C(212°F):±2%
THERMOPILE	8~14MM
REPEATABILITY	±1°C(±2°F)
RESOLUTION	0.1°C(0.1°F)
RESPONSE TIME	500MS
OPERATION TEMP	0~50°C(32~122°F), 10~90%RH
AUTO POWER OFF	AUTOMATICALLY AFTER APPROX. 6 SEC
EMISSIVITY	ADJUSTABLE 0.1~1.0
°C/°F SWITCHABLE	YES
BACKLIGHT	YES
LASER SIGHT SWITCHABLE	YES
MAX/MIN/AVG./ΔT	YES
AUTO-MEASURING	YES
10 POINT MEMORY	YES
AUDIO ALARM	YES
DUAL DISPLAY	YES
TRIPOD MOUNT	YES
DIMENSIONS	200×166×50.5 MM(7.87"×6.53"×1.98")



ORDERING INFORMATION:

SCT-108.002.74	SCT-ZEAL	SCT ZEAL INFRARED THERMOMETER IS SUPPLIED WITH 9V DC BATTERY, CASE & MANUAL.
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SCT PORTABLE INFRARED THERMOMETERS (Medium Spot Ratio 30:1, High Temp -32°C to 1300°C)

SALIENT FEATURES:

- A COMPLETE PORTABLE SCT METER FOR NON CONTACT TEMPERATURE MEASUREMENTS.
- TEMPERATURE RANGE : (-32°C TO 1300°C)
- RUGGED & ERGONOMIC DESIGN.
- HIGH DS RATIO / SPOT RATIO 30:1
- ADJUSTABLE EMISSIVITY FROM 0.1 TILL 1.0
- BACKLIGHT DUAL DISPLAY LCD.
- NEW SERIES FOR GENERAL PURPOSES.
- ULTRA LOW POWER CONSUMPTION IN SHUTDOWN MODE.
- EXTENDED LONG TIME MEASURING RELIABILITY.
- LASER SIGHTING ON/OFF IS SWITCHABLE.
- OPTION TO SELECT °C/°F
- ELECTRONIC TRIGGER LOCK.
- TEMPERATURE DATA STORAGE.
- AUDIBLE ALARMS.
- BATTERY OPERATED.



TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.002.75
MODEL NO.	SCT-ZIARRE
DISTANCE/SPOT RATIO	30:1
TEMPERATURE RANGE	-32~ 1300°C (-25.6~2372°F)
ACCURACY (ASSUMES OPERATION AMBIENT TEMPERATURE OF 25°C/77°F)	±3°C(±5°F) -32~ -20°C(-25.6~ -4°F) ±2°C(±3°F) -20~ 100°C(-4~ 212°F) ABOVE 100°C(212°F):±2%
THERMOPILE	8~14MM
REPEATABILITY	±1°C(±2°F)
RESOLUTION	0.1°C OR 0.1°F(ABOVE 2000°F:1°F)
RESPONSE TIME	500MS
OPERATION TEMP	0~50°C(32~122°F),10~90%RH
AUTO POWER OFF	AUTOMATICALLY AFTER APPROX. 6 SEC
EMISSION	ADJUSTABLE 0.1~1.0
°C/°F SWITCHABLE	YES
BACKLIGHT	YES
LASER SIGHT SWITCHABLE	YES
MAX/MIN/AVG./ΔT	YES
AUTO-MEASURING	YES
10 POINT MEMORY	YES
AUDIO ALARM	YES
DUAL DISPLAY	YES
TRIPOD MOUNT	YES
DIMENSIONS	200×166×50.5 MM(7.87"×6.53"×1.98"),

ORDERING INFORMATIONS:

SCT-108.002.75	SCT-ZIARRE	SCT ZIARRE INFRARED THERMOMETER IS SUPPLIED WITH 9V DC BATTERY, CASE MANUAL.
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SCT PORTABLE INFRARED THERMOMETERS (HIGH DS/SR 50:1)

SALIENT FEATURES:

- A COMPLETE PORTABLE SCT METER FOR NON CONTACT TEMPERATURE MEASUREMENTS.
- TEMPERATURE RANGE : (-32°C TO 1300°C)
- RUGGED & ERGONOMIC DESIGN.
- HIGH DS RATIO / SPOT RATIO 50:1
- ADJUSTABLE EMISSION FROM 0.1 TILL 1.0
- BACKLIGHT DUAL DISPLAY LCD.
- NEW SERIES FOR GENERAL PURPOSES.
- ULTRA LOW POWER CONSUMPTION IN SHUTDOWN MODE.
- EXTENDED LONG TIME MEASURING RELIABILITY.
- LASER SIGHTING ON/OFF IS SWITCHABLE.
- OPTION TO SELECT °C/°F
- ELECTRONIC TRIGGER LOCK.
- TEMPERATURE DATA STORAGE.
- AUDIBLE ALARMS.
- BATTERY OPERATED.

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.002.76
MODEL NO.	SCT-ZODY
DISTANCE/SPOT RATIO	50:1
TEMPERATURE RANGE	-32~ 1300°C(-25.6~2372°F)
ACCURACY (ASSUMES OPERATION AMBIENT TEMPERATURE OF 25°C/77°F)	±3°C(±5°F) -32~ -20°C(-25.6~ -4°F) ±2°C(±3°F) -20~ 100°C(-4~ 212°F) ABOVE 100°C(212°F):±2%
THERMOPILE	8~14MM
REPEATABILITY	±1°C(±2°F)
RESOLUTION	0.1°C OR 0.1°F(ABOVE 2000°F:1°F)
RESPONSE TIME	500MS
OPERATION TEMP	0~50°C(32~122°F),10~90%RH
AUTO POWER OFF	AUTOMATICALLY AFTER APPROX. 6 SEC
EMISSION	ADJUSTABLE 0.1~1.0
°C/°F SWITCHABLE	YES
BACKLIGHT	YES
LASER SIGHT SWITCHABLE	YES
MAX/MIN/AVG./ΔT	YES
AUTO-MEASURING	YES
10 POINT MEMORY	YES
AUDIO ALARM	YES
DUAL DISPLAY	YES
TRIPOD MOUNT	YES
DIMENSIONS	200×166×50.5 MM (7.87"×6.53"×1.98")



ORDERING INFORMATIONS:

SCT-108.002.76	SCT-ZODY	SCT ZODY INFRARED THERMOMETER IS SUPPLIED WITH 9V DC BATTERY, CASE & MANUAL.
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SCT PORTABLE INFRARED THERMOMETERS WITH HIGH TEMP. -32°C TO 1650°C

SALIENT FEATURES:

- A COMPLETE PORTABLE SCT METER FOR NON CONTACT TEMPERATURE MEASUREMENTS.
- TEMPERATURE RANGE : (-32°C TO 1650°C)
- RUGGED & ERGONOMIC DESIGN.
- HIGH DS RATIO / SPOT RATIO 50:1
- ADJUSTABLE EMISSIVITY FROM 0.1 TILL 1.0
- BACKLIGHT DUAL DISPLAY LCD.
- NEW SERIES FOR GENERAL PURPOSES.
- ULTRA LOW POWER CONSUMPTION IN SHUTDOWN MODE.
- EXTENDED LONG TIME MEASURING RELIABILITY.
- LASER SIGHTING ON/OFF IS SWITCHABLE.
- OPTION TO SELECT °C/°F
- ELECTRONIC TRIGGER LOCK.
- TEMPERATURE DATA STORAGE.
- AUDIBLE ALARMS.
- BATTERY OPERATED.

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.002.77
MODEL NO.	SCT-REX
DISTANCE/SPOT RATIO	50:1
TEMPERATURE RANGE	-32~ 1650°C(-25.6~3002°F)
ACCURACY (ASSUMES OPERATION AMBIENT TEMPERATURE OF 25°C/77°F)	±3°C(±5°F) -32~ -20°C(-25.6~ -4°F) ±2°C(±3°F) -20~ 100°C(-4~ 212°F) ABOVE 100°C(212°F):±2%
THERMOPILE	8~14MM
REPEATABILITY	±1°C(±2°F)
RESOLUTION	0.1°C OR 0.1°F(ABOVE 2000°F:1°F)
RESPONSE TIME	500MS
OPERATION TEMP	0~50°C(32~122°F), 10~90%RH
AUTO POWER OFF	AUTOMATICALLY AFTER APPROX. 6 SEC
EMISSIVITY	ADJUSTABLE 0.1~1.0
°C/°F SWITCHABLE	YES
BACKLIGHT	YES
LASER SIGHT SWITCHABLE	YES
MAX/MIN/AVG./ΔT	YES
AUTO-MEASURING	YES
10 POINT MEMORY	YES
AUDIO ALARM	YES
DUAL DISPLAY	YES
TRIPOD MOUNT	YES
DIMENSIONS	200×166×50.5 MM(7.87"×6.53"×1.98")



ORDERING INFORMATION:

SCT-108.002.77	SCT-REX	SCT- REX INFRARED THERMOMETER IS SUPPLIED WITH 9V DC BATTERY, CASE AND MANUAL.
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SCT HIGH PERFORMANCE INFRARED THERMOMETERS (SPOT RATIO 30:1)

SALIENT FEATURES:

- A COMPLETE PORTABLE SCT METER FOR NON CONTACT TEMPERATURE MEASUREMENTS.
- TEMPERATURE RANGE : (-52°C TO 1000°C)
- RUGGED & ERGONOMIC DESIGN.
- HIGH DS RATIO / SPOT RATIO 30:1
- ADJUSTABLE EMISSIVITY FROM 0.1 TILL 1.0
- BACKLIGHT DUAL DISPLAY LCD.
- NEW SERIES FOR GENERAL PURPOSES.
- ULTRA LOW POWER CONSUMPTION IN SHUTDOWN MODE.
- EXTENDED LONG TIME MEASURING RELIABILITY.
- LASER SIGHTING ON/OFF IS SWITCHABLE.
- OPTION TO SELECT °C/°F
- ELECTRONIC TRIGGER LOCK.
- TEMPERATURE DATA STORAGE.
- AUDIBLE ALARMS.
- BATTERY OPERATED.



TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.002.78
MODEL NO.	SCT-HEMS
DISTANCE/SPOT RATIO	30:1
TEMPERATURE RANGE	-50~ 1000°C(-58~ 1832°F)
ACCURACY (ASSUMES OPERATION AMBIENT TEMPERATURE OF 25°C/77°F)	±3°C(±5°F) -50~ -20°C(-58~ -4°F)
	±2°C(±3°F) -20~ 100°C(-4~ 212°F)
	±2% 100~1000°C(212~1832°F)
THERMOPILE	8~14MM
REPEATABILITY	±1°C(±2°F)
RESOLUTION	0.1°C(0.1°F)
RESPONSE TIME	500MS
OPERATION TEMP	0~50°C(32~122°F), 10~90%RH
AUTO POWER OFF	AUTOMATICALLY AFTER APPROX. 6SEC
EMISSIONITY	ADJUSTABLE 0.1~1.0
°C/°F SWITCHABLE	YES
BACKLIGHT	YES
LASER SIGHT SWITCHABLE	YES
MAX/MIN/AVG./ΔT	YES
AUTO-MEASURING	YES
10 POINT MEMORY	YES
AUDIO ALARM	YES
DUAL DISPLAY	YES
TRIPOD MOUNT	YES
USB DATA OUTPUT	NO
THERMOCOUPLE K TYPE	NO
DIMENSIONS	7.88X6.15X47.5MM(6.14"X3.95"X1.87")



ORDERING INFORMATION:

SCT-108.002.78	SCT-HEMS	SCT HEMS INFRARED THERMOMETER IS SUPPLIED WITH 9V DC BATTERY, CASE AND MANUAL
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SCT HIGH PERFORMANCE INFRARED THERMOMETERS (SPOT RATIO 50:1)

SALIENT FEATURES:

- A COMPLETE PORTABLE SCT METER FOR NON CONTACT TEMPERATURE MEASUREMENTS.
- TEMPERATURE RANGE : (-52°C TO 1000°C)
- RUGGED & ERGONOMIC DESIGN.
- HIGH DS RATIO / SPOT RATIO 50:1
- ADJUSTABLE EMISSIONITY FROM 0.1 TILL 1.0
- BACKLIGHT DUAL DISPLAY LCD.
- NEW SERIES FOR GENERAL PURPOSES.
- ULTRA LOW POWER CONSUMPTION IN SHUTDOWN MODE.
- EXTENDED LONG TIME MEASURING RELIABILITY.
- LASER SIGHTING ON/OFF IS SWITCHABLE.
- OPTION TO SELECT °C/°F
- ELECTRONIC TRIGGER LOCK.
- TEMPERATURE DATA STORAGE.
- AUDIBLE ALARMS.
- BATTERY OPERATED.

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.002.79
MODEL NO.	SCT-MALAR
DISTANCE/SPOT RATIO	50:1
TEMPERATURE RANGE	-50~ 1000°C(-58~ 1832°F)
ACCURACY (ASSUMES OPERATION AMBIENT TEMPERATURE OF 25°C/77°F)	±3°C(±5°F) -50~ -20°C(-58~ -4°F)
	±2°C(±3°F) -20~ 100°C(-4~ 212°F)
	±2% 100~1000°C(212~1832°F)
THERMOPILE	8~14MM
REPEATABILITY	±1°C(±2°F)
RESOLUTION	0.1°C(0.1°F)
RESPONSE TIME	500MS
OPERATION TEMP	0~50°C(32~122°F), 10~90%RH
AUTO POWER OFF	AUTOMATICALLY AFTER APPROX. 6 SEC
EMISSIONITY	ADJUSTABLE 0.1~1.0
°C/°F SWITCHABLE	YES
BACKLIGHT	YES
LASER SIGHT SWITCHABLE	YES
MAX/MIN/AVG./ΔT	YES



AUTO-MEASURING	YES
10 POINT MEMORY	YES
AUDIO ALARM	YES
DUAL DISPLAY	YES
TRIPOD MOUNT	YES
USB DATA OUTPUT	NO
THERMOCOUPLE K TYPE	NO
DIMENSIONS	7.88X6.15X47.5MM(6.14"X3.95"X1.87")

ORDERING INFORMATION:

SCT-108.002.79	SCT-MALAR	SCT-MALAR INFRARED THERMOMETER IS SUPPLIED WITH 9V DC BATTERY, CASE AND MANUAL.
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SCT HIGH PERFORMANCE INFRARED THERMOMETERS WITH 'K' TYPE THERMOCOUPLE AND USB DATA OUTPUT

SALIENT FEATURES:

- A COMPLETE PORTABLE SCT METER FOR NON CONTACT TEMPERATURE MEASUREMENTS.
- SUPPLIED WITH 'K' TYPE THERMOCOUPLE TO HAVE CONTACT TEMPERATURE MEASUREMENT.
- USB DATA OUTPUT.
- TEMPERATURE RANGE : (-52°C TO 1000°C)
- RUGGED & ERGONOMIC DESIGN.
- HIGH DS RATIO / SPOT RATIO 50:1
- ADJUSTABLE EMISSIVITY FROM 0.1 TILL 1.0
- BACKLIGHT DUAL DISPLAY LCD.
- NEW SERIES FOR GENERAL PURPOSES.
- ULTRA LOW POWER CONSUMPTION IN SHUTDOWN MODE.
- EXTENDED LONG TIME MEASURING RELIABILITY.
- LASER SIGHTING ON/OFF IS SWITCHABLE.
- OPTION TO SELECT °C/°F
- ELECTRONIC TRIGGER LOCK.
- TEMPERATURE DATA STORAGE.
- AUDIBLE ALARMS.
- BATTERY OPERATED.



TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.002.80
MODEL NO.	SCT-MALIN
DISTANCE/SPOT RATIO	50:1
TEMPERATURE RANGE	-50~ 1000°C (-58~ 1832°F)
ACCURACY (ASSUMES OPERATION AMBIENT TEMPERATURE OF 25°C/77°F)	±3°C (±5°F) -50~ -20°C (-58~ -4°F)
	±2°C (±3°F) -20~ 100°C (-4~ 212°F)
	±2% 100~1000°C (212~1832°F)
THERMOPILE	8~14MM
REPEATABILITY	±1°C (±2°F)
RESOLUTION	0.1°C (0.1°F)
RESPONSE TIME	500MS
OPERATION TEMP	0~50°C (32~122°F), 10~90%RH
AUTO POWER OFF	AUTOMATICALLY AFTER APPROX. 6SEC
EMISSIVITY	ADJUSTABLE 0.1~1.0
°C/°F SWITCHABLE	YES
BACKLIGHT	YES
LASER SIGHT SWITCHABLE	YES
MAX/MIN/AVG./ΔT	YES
AUTO-MEASURING	YES
10 POINT MEMORY	YES
AUDIO ALARM	YES
DUAL DISPLAY	YES
TRIPOD MOUNT	YES
USB DATA OUTPUT	YES
THERMOCOUPLE K TYPE	YES
DIMENSIONS	7.88X6.15X47.5MM (6.14"X3.95"X1.87")

ORDERING INFORMATION:

SCT-108.002.80	SCT-MALIN	SCT MALIN INFRARED THERMOMETER IS SUPPLIED WITH 'K' THERMOCOUPLE, 9V DC BATTERY, INSTRUCTION AND CARRYING CASE.
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SCT PLUS HIGH PERFORMANCE INFRARED THERMOMETERS (50:1) 50 ~ 1500°C

SALIENT FEATURES:

- A COMPLETE PORTABLE SCT METER FOR NON CONTACT TEMPERATURE MEASUREMENTS.
- TEMPERATURE RANGE : (-50°C TO 1500°C)
- RUGGED & ERGONOMIC DESIGN.
- HIGH DS RATIO / SPOT RATIO 50:1
- ADJUSTABLE EMISSIVITY FROM 0.1 TILL 1.0
- BACKLIGHT DUAL DISPLAY LCD.
- NEW SERIES FOR GENERAL PURPOSES.
- ULTRA LOW POWER CONSUMPTION IN SHUTDOWN MODE.
- EXTENDED LONG TIME MEASURING RELIABILITY.
- LASER SIGHTING ON/OFF IS SWITCHABLE.
- OPTION TO SELECT °C/°F
- ELECTRONIC TRIGGER LOCK.
- TEMPERATURE DATA STORAGE.
- AUDIBLE ALARMS.
- BATTERY OPERATED.

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.002.81
MODEL NO.	SCT-ZEN
DISTANCE/SPOT RATIO	50:1
TEMPERATURE RANGE	-50~ 1500°C (-58~ 2732°F)
ACCURACY (ASSUMES OPERATION AMBIENT TEMPERATURE OF 25°C/77°F)	±3°C (±5°F) -50~ -20°C (-58~ -4°F)
	±2°C (±3°F) -20~ 100°C (-4~ 212°F)
	±2% 100~1500°C (212~2732°F)
THERMOPILE	8~14MM
REPEATABILITY	±1°C (±2°F)
RESOLUTION	0.1°C (0.1°F)
RESPONSE TIME	500MS
OPERATION TEMP	0~50°C(32~122°F), 10~90%RH
AUTO POWER OFF	AUTOMATICALLY AFTER APPROX. 6SEC
EMISSIVITY	ADJUSTABLE 0.1~1.0
°C/°F SWITCHABLE	YES
BACKLIGHT	YES
LASER SIGHT SWITCHABLE	YES
MAX/MIN/AVG./ΔT	YES
AUTO-MEASURING	YES
10 POINT MEMORY	YES
AUDIO ALARM	YES
DUAL DISPLAY	YES
TRIPOD MOUNT	YES
USB DATA OUTPUT	NO
THERMOCOUPLE K TYPE	NO
DIMENSIONS	7.88X6.15X47.5MM(6.14"X3.95"X1.87")



ORDERING INFORMATION:

SCT-108.002.81	SCT-ZEN	SCT ZEN INFRARED THERMOMETER IS SUPPLIED WITH 9V DC BATTERY, INSTRUCTION AND CARRYING CASE.
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ScichemTech® - SCT BENCHTOP METERS

SCT BASIC BENCHTOP pH METERS WITH RS232

SCT BASIC BENCHTOP pH/ORP/TEMP METER WHICH IS SUITABLE FOR GENERAL pH MEASUREMENT IN LABORATORY CONSISTENT WITH THE BASIC REQUIREMENTS.

SALIENT FEATURES :

- SCT BENCHTOP METER IS DESIGNED TO MEASURE pH, ORP, TEMPERATURE.
- LARGE LCD WITH BLUE BACKGROUND CAN DISPLAY BOTH pH AND TEMPERATURE VALUE AT THE SAME TIME.
- IT HAS INTELLIGENT FUNCTIONS FOR AUTOMATIC CALIBRATION, DATA STORAGE / RECALL, AND MEMORY MAX. AND MIN. VALUE ETC.
- 1~3 POINT AUTOMATIC CALIBRATION, AND IT CAN AUTOMATICALLY DISPLAY THE PERCENTAGE OF SLOPE AFTER FINISHING CALIBRATION
- EQUIPPED WITH MANUAL TEMPERATURE COMPENSATION
- OPTION TO SWITCH BETWEEN °C/°F.
- SCT BENCHTOP METER MEETS ISO9001:2008 & CE STANDARDS.



TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.003.01	
MODEL NO	SCT-BEN-pH-01	
PARAMETER	PRODUCT NAME	SPECIFICATIONS
pH	RANGE	0 ~ 14.00 pH
	RESOLUTION	0.1/0.01 pH
	ACCURACY	±0.01 pH
	INPUT RESISTANCE	≥1×10 ¹² Ω
	STABILITY	±0.01 pH/3H
	TEMPERATURE COMPENSATION	0 ~ 100°C MANUAL
	OPERATION FUNCTION	AUTOMATIC CALIBRATION
mV	RANGE	-1999mV ~ 0 ~ 1999mV
	RESOLUTION	1mV
	ACCURACY	±0.1% FS±1DIGIT
TEMPERATURE	RANGE	0 ~ 100°C
	RESOLUTION	0.1
	ACCURACY	±1
OTHER TECHNICAL PARAMETERS	DATA STORAGE, RECORD	MIX/MIN VALUE
	POWER	DC9V POWER ADAPTER
	DIMENSION AND WEIGHT	60×190×70 MM / 750 G
	QUALITY & SAFETY CERTIFICATION	ISO9001:2008, CE
OPERATION CONDITION	ENVIRONMENTAL TEMPERATURE	5 ~ 35°C
	RELATIVE HUMIDITY	≤85%

ORDERING INFORMATIONS:

SCT-108.003.01	SCT-BEN-pH-01	SCT BEN-pH-01 pH METER IS SUPPLIED WITH PLASTIC pH COMBINATION ELECTRODE, STANDARD SOLUTION pH 4.00, 7.00, 10.01 (50ML), 9V POWER ADAPTER & OPERATION MANUAL.
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PLEASE NOTE : ORP / TEMPERATURE ELECTRODE AND OTHER ACCESSORIES MUST BE ORDERED SEPARATELY.

OPTIONAL ACCESSORIES: (SELECT ONLY IF REQUIRED)

ACCESSORY	PRODUCT NO.	DESCRIPTION
pH COMBINATION ELECTRODE	SCT-108.003.A1	PLASTIC COMBINATION pH ELECTRODE, SUITABLE FOR ROUTINE pH MEASUREMENTS, WIDELY USED, BNC CONNECTOR
ORP COMPOSITE ELECTRODE	SCT-108.003.B1	PLASTIC ORP COMBINATION ELECTRODE, ORP MEASUREMENT FOR CONVENTIONAL, WIDE RANGE OF USES, BNC PLUG
TEMPERATURE ELECTRODE	SCT-108.002.D1	TEMPERATURE ELECTRODE, STAINLESS STEEL HOUSING, FAST RESPONSE, HIGH ACCURACY, RCA PLUGS
pH BUFFER	SCT-108.002.AA	pH4.00 BUFFER 500ML
	SCT-108.002.AB	pH4.00 BUFFER 250ML
	SCT-108.002.AG	pH7.00 BUFFER 500ML
	SCT-108.002.AH	pH7.00 BUFFER 250ML
	SCT-108.002.AM	pH10.01 BUFFER 500ML
	SCT-108.002.AN	pH10.01 BUFFER 250ML
ELECTRODE STORAGE SOLUTION	SCT-108.002.CA	pH (ORP) COMBINATION ELECTRODE STORAGE SOLUTION 500ML
	SCT-108.002.CB	222 mV ORP STANDARD SOLUTION 250ML
		pH (ORP) COMBINATION ELECTRODE STORAGE SOLUTION 250ML
ORP STANDARD SOLUTION	SCT-108.002.DA	222 mV ORP STANDARD SOLUTION 250ML
	SCT-108.002.DB	222 mV ORP STANDARD SOLUTION 100ML
ELECTRODE HOLDER	SCT-108.002.NA	FLEXIBLE ELECTRODE HOLDER, NICE APPEARANCE OF THE ARC-TYPE BRACKET, YOU CAN TURN 360 DEGREES AND VERTICAL LIFT
	SCT-108.002.NB	STIRRING TYPE ELECTRODE HOLDER, THE ELECTRODE HOLDER AND MAGNETIC STIRRER COMBINATION OF NEW PRODUCTS.
	SCT-108.002.NC	ELECTRODE HOLDER, CHEAP SIMPLE ELECTRODE HOLDER

SCT BASIC BENCHTOP pH METERS WITH ATC & RS232

SCT BASIC BENCHTOP pH/ORP/TEMP METER WITH ATC AND WITH RS232 SUITABLE FOR GENERAL pH MEASUREMENT IN LABORATORY

SALIENT FEATURES:

- SCT BENCHTOP METER IS DESIGNED TO MEASURE pH, ORP, TEMPERATURE.
- LARGE LCD WITH BLUE BACKGROUND CAN DISPLAY BOTH pH AND TEMPERATURE VALUE AT THE SAME TIME.
- IT HAS INTELLIGENT FUNCTIONS FOR AUTOMATIC CALIBRATION, AUTOMATIC TEMPERATURE COMPENSATION, DATA STORAGE / RECALL, AND MEMORY MAX. AND MIN. VALUE ETC.
- 1~3 POINT AUTOMATIC CALIBRATION, AND IT CAN AUTOMATICALLY DISPLAY THE PERCENTAGE OF SLOPE AFTER FINISHING CALIBRATION
- °C AND °F CAN BE SWITCHED FREELY.
- SCT BENCHTOP METER MEETS ISO9001:2008 & CE STANDARDS.



TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.003.02	
MODEL NO	SCT-BEN-pH-2	
PARAMETER	PRODUCT NAME	SPECIFICATIONS
pH	RANGE	0 ~ 14.00 pH
	RESOLUTION	0.1/0.01 pH
	ACCURACY	±0.01 pH
	INPUT RESISTANCE	≥1×10 ¹² Ω
	STABILITY	±0.01 pH/3H
	TEMPERATURE COMPENSATION	0 ~ 100°C AUTO/MANUAL
	OPERATION FUNCTION	AUTOMATIC CALIBRATION
mV	RANGE	-1999mV ~ 0 ~ 1999mV
	RESOLUTION	1mV
	ACCURACY	±0.1% FS±1DIGIT
TEMPERATURE	RANGE	0 ~ 100°C
	RESOLUTION	0.1
	ACCURACY	±1
OTHER TECHNICAL PARAMETERS	DATA STORAGE, RECORD	MIX/MIN VALUE
	POWER	DC9V POWER ADAPTER
	DIMENSION AND WEIGHT	60×190×70 MM / 750 G
	QUALITY & SAFETY CERTIFICATION	ISO9001:2008, CE
OPERATION CONDITION	ENVIRONMENTAL TEMPERATURE	5 ~ 35
	RELATIVE HUMIDITY	≤85%

ORDERING INFORMATION:

SCT-108.003.02	SCT-BEN-pH-2	SCT BEN-pH-2 BENCHTOP pH METER IS SUPPLIED WITH PLASTIC pH COMBINATION ELECTRODE, STANDARD SOLUTION pH 4.00, 7.00, 10.01 (50 ML) 9V POWER ADAPTER ELECTRODE HOLDER & OPERATION MANUAL.
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* ORP / TEMP. ELECTRODES AND ACCESSORIES MUST BE ORDERED SEPARATELY.

OPTIONAL ACCESSORIES: (SELECT ONLY IF REQUIRED)

ACCESSORY	PRODUCT NO.	DESCRIPTION
pH COMBINATION ELECTRODE	SCT-108.003.A4	PLASTIC THREE-IN-ONE COMBINATION pH ELECTRODE, SIMULTANEOUS MEASUREMENT OF pH AND TEMPERATURE, AUTOMATIC TEMPERATURE COMPENSATION, BNC + RCA PLUGS.
ORP COMPOSITE ELECTRODE	SCT-108.003.B1	PLASTIC ORP COMBINATION ELECTRODE, ORP MEASUREMENT FOR CONVENTIONAL, WIDE RANGE OF USES, BNC PLUG
TEMPERATURE ELECTRODE	SCT-108.002.D1	TEMPERATURE ELECTRODE, STAINLESS STEEL HOUSING, FAST RESPONSE, HIGH ACCURACY, RCA PLUGS
pH BUFFER	SCT-108.002.AA	pH4.00 BUFFER 500ML
	SCT-108.002.AB	pH4.00 BUFFER 250ML
	SCT-108.002.AG	pH7.00 BUFFER 500ML
	SCT-108.002.AH	pH7.00 BUFFER 250ML
	SCT-108.002.AM	pH10.01 BUFFER 500ML
	SCT-108.002.AN	pH10.01 BUFFER 250ML
ELECTRODE SOAKING	SCT-108.002.CA	pH (ORP) COMBINATION ELECTRODE STORAGE SOLUTION 500ML
	SCT-108.002.CB	pH (ORP) COMBINATION ELECTRODE STORAGE SOLUTION 250ML
ORP STANDARD SOLUTION	SCT-108.002.DA	222 mV ORP STANDARD SOLUTION
	SCT-108.002.DB	250ML/100ML/50ML (BOTTLE)
ELECTRODE HOLDER	SCT-108.002.NA	FLEXIBLE ELECTRODE HOLDER, NICE APPEARANCE OF THE ARC-TYPE BRACKET, YOU CAN TURN 360 DEGREES AND VERTICAL LIFT
	SCT-108.002.NB	STIRRING TYPE ELECTRODE HOLDER, THE ELECTRODE HOLDER AND MAGNETIC STIRRER COMBINATION OF NEW PRODUCTS.
	SCT-108.002.NC	ELECTRODE HOLDER, CHEAP SIMPLE ELECTRODE HOLDER

SCT BASIC BENCHTOP pH METERS WITH ATC & RS232

SCT BASIC BENCHTOP pH/ORP/TEMP METER WITH ATC AND WITH RS232 SUITABLE FOR GENERAL pH MEASUREMENT IN LABORATORY.

EQUIPPED WITH PLASTIC 3 IN 1 pH COMBINATION ELECTRODE AND STIRRING TYPE ELECTRODE HOLDER EASIER TO USE.

AUTOMATIC CALIBRATION, AUTOMATIC TEMPERATURE COMPENSATION INSTRUMENT WITH pH RESOLUTION 0.01.

SALIENT FEATURES:

- SCT BENCHTOP METER IS DESIGNED TO MEASURE pH/ORP/TEMPERATURE.
- LARGE LCD WITH BLUE BACKGROUND CAN DISPLAY BOTH pH AND TEMPERATURE VALUE AT THE SAME TIME.
- IT HAS INTELLIGENT FUNCTIONS FOR AUTOMATIC CALIBRATION, AUTOMATIC TEMPERATURE COMPENSATION, DATA STORAGE / RECALL, AND MEMORY MAX. AND MIN. VALUE ETC.
- 1~3 POINT AUTOMATIC CALIBRATION, AND IT CAN AUTOMATICALLY DISPLAY THE PERCENTAGE OF SLOPE AFTER FINISHING CALIBRATION
- EQUIPS TEMPERATURE ELECTRODE AND STIRRING TYPE ELECTRODE HOLDER, WHICH IS MORE SUITABLE FOR USING.
- °C AND °F CAN BE SWITCHED FREELY.
- SCT BENCHTOP METER MEETS : ISO9001 & CE STANDARDS.



TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.003.03	
MODEL NO	SCT-BEN-pH-3	
PARAMETER	PRODUCT NAME	SPECIFICATIONS
pH	RANGE	0 ~ 14.00 pH
	RESOLUTION	0.1/0.01 pH
	ACCURACY	±0.01 pH
	INPUT RESISTANCE	≥1×10 ¹² Ω
	STABILITY	±0.01 pH/3H
	TEMPERATURE COMPENSATION	(0 ~ 100) AUTO/MANUAL
mV	OPERATION FUNCTION	AUTOMATIC CALIBRATION
	RANGE	-1999mV ~ 0 ~ 1999mV
	RESOLUTION	1mV
	ACCURACY	±0.1% FS±1DIGIT
TEMPERATURE	RANGE	(0 ~ 100) °C
	RESOLUTION	0.1 °C
	ACCURACY	±1 °C
OTHER TECHNICAL PARAMETERS	DATA STORAGE, RECORD	MIX/MIN VALUE
	COMMUNICATION CONNECTOR	RS-232
	DIMENSION AND WEIGHT	(160×190×70) MM / 750 G
	POWER	DC9V POWER ADAPTER
	QUALITY & SAFETY CERTIFICATION	ISO9001:2008, CE
OPERATION CONDITION	ENVIRONMENTAL TEMPERATURE:	5 ~ 35 °C
	RELATIVE HUMIDITY	≤85%

ORDERING INFORMATIONS:

SCT-108.003.03	SCT-BEN-pH-3	SCT BE-pH-3 BENCHTOP pH / ORP / TEMP METER SUPPLIED WITH PLASTIC pH COMBINATION ELECTRODE TEMPERATURE ELECTRODE pH 4.00, 7.00, 10.01 (50 ML) STANDARD SOLUTION, 9V POWR ADAPTER, STIRRING TYPE ELECTRODE HOLDER, pH LINK COMMUNICATION SOFTWARE, RS232 COMMUNICATION CABLE AND OPERATION MANUAL.
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* PLS NOTE ORP ELECTRODE / ACCESSORIES NOT INCLUDED TO BE ORDERED SEPARATELY.

OPTIONAL ACCESSORIES: (SELECT ONLY IF REQUIRED)

ACCESSORY	PRODUCT NO.	DESCRIPTION
pH COMBINATION ELECTRODE	SCT-108.003.A4	PLASTIC THREE-IN-ONE COMBINATION pH ELECTRODE, SIMULTANEOUS MEASUREMENT OF pH AND TEMPERATURE, AUTOMATIC TEMPERATURE COMPENSATION, BNC + RCA PLUGS.
ORP COMPOSITE ELECTRODE	SCT-108.003.B1	PLASTIC ORP COMBINATION ELECTRODE, ORP MEASUREMENT FOR CONVENTIONAL, WIDE RANGE OF USES, BNC PLUG
TEMPERATURE ELECTRODE	SCT-108.002.D1	TEMPERATURE ELECTRODE, STAINLESS STEEL HOUSING, FAST RESPONSE, HIGH ACCURACY, RCA PLUGS
pH BUFFER	SCT-108.002.AA	pH4.00 BUFFER 500ML
	SCT-108.002.AB	pH4.00 BUFFER250ML
	SCT-108.002.AG	pH7.00 BUFFER500ML
	SCT-108.002.AH	pH7.00 BUFFER250ML
	SCT-108.002.AM	pH10.01 BUFFER500ML
	SCT-108.002.AN	pH10.01 BUFFER250ML
ELECTRODE STORAGE SOLUTION	SCT-108.002.CA	pH (ORP) COMBINATION ELECTRODE STORAGE SOLUTION 500ML
	SCT-108.002.CB	pH (ORP) COMBINATION ELECTRODE STORAGE SOLUTION 250ML
ORP STANDARD SOLUTION	SCT-108.002.DA	222 mV ORP STANDARD SOLUTION 250ML
	SCT-108.002.DB	222 mV ORP STANDARD SOLUTION 100ML
ELECTRODE HOLDER	SCT-108.002.NA	FLEXIBLE ELECTRODE HOLDER, NICE APPEARANCE OF THE ARC-TYPE BRACKET, YOU CAN TURN 360 DEGREES AND VERTICAL LIFT
	SCT-108.002.NB	STIRRING TYPE ELECTRODE HOLDER, THE ELECTRODE HOLDER AND MAGNETIC STIRRER COMBINATION OF NEW PRODUCTS.
	SCT-108.002.NC	ELECTRODE HOLDER CHEAP SIMPLE ELECTRODE HOLDER

SCT (GLP) GOOD LABORATORY PRACTICE BENCHTOP pH / ORP / TEMP METER

SCT (GLP) GOOD LABORATORY PRACTICE BENCHTOP pH / ORP / TEMP METER SUITABLE FOR ROUTINE LABORATORY USE.
EQUIPPED WITH FLEXIBLE ELECTRODE HOLDER & QUICK OPERATION GUIDE EASIER TO USE.
INSTRUMENT RATING 0.01.

SALIENT FEATURES:

- SCT METER MEETS WITH THE REQUIREMENT OF INTERNATIONAL GLP STANDARDS. ITS FEATURES UP TO AUTOMATIC CALIBRATION, AUTOMATIC TEMPERATURE COMPENSATION, DATA STORAGE, TIMING MEASUREMENT, CLOCK DISPLAY, RS-232 OUTPUT, FUNCTION SETTING AND SELF-DIAGNOSE ETC.
- THREE DIFFERENT MEASUREMENT MODES: STABLE DISPLAY MODE; TIME MEASUREMENT MODE; CONTINUOUS MEASUREMENT MODE.
- AUTOMATICALLY RECOGNIZE pH BUFFER SOLUTION. USER CAN CHOOSE ANYONE FROM THREE SERIES OF STANDARD BUFFER SOLUTIONS: EUROPE & USA SERIES, & NIST SERIES
- SCT DUSTPROOF AND WATERPROOF METER MEETS IP54 STANDARDS. ALL SOCKETS ARE SEAL PROTECTED BY THE SILICA GEL CAPS.
- SCT BENCHTOP METER MEETS : ISO9001 & CE STANDARDS.



TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.003.04	
MODEL NO	SCT-BEN-pH-4	
PARAMETER	PRODUCT NAME	SPECIFICATIONS
pH	MEASURING RANGE	-1.99 ~ 19.99 pH
	RESOLUTION	0.1/0.01/0.001 pH
	ACCURACY	±0.01pH
	INPUT CURRENT	≤1×10 ⁻¹² A
	INPUT IMPEDANCE	≥3×10 ¹² Ω
	STABILITY	±0.001 pH/3H
	TEMP. COMPENSATION RANGE	(0 TO 100°C) AUTOMATIC OR MANUAL
mV	MEASURING RANGE(mV/ORP/EH)	-1999.9mV ~ 0 ~ 1999.9mV
	RESOLUTION	0.1mV
	ACCURACY	±0.03% FS
TEMPERATURE	MEASURING RANGE	-10 ~ 110
	RESOLUTION	0.1
	ACCURACY	5~ 60 (RANGE) ±0.4 OTHER RANGE (±0.8)
OTHER TECHNICAL PARAMETERS	DATA STORAGE	300 GROUPS
	STORAGE CONTENT	MEASURING VALUE SERIES NUMBER, MEASURING VALUE, TEMPERATURE, ATC OR MTC STATE, MEASURING DATE AND TIME
		DC9V/300MA
	POWER	RS232
	COMMUNICATION CONNECTOR	160 × 190 × 70MM/880G
	SIZE AND WEIGHT	ISO9001:2008, CE
	QUALITY AND SAFETY CERTIFICATION	
WORKING CONDITION	ENVIRONMENT TEMPERATURE	5 ~ 35 0.01 GRADE 15 ~ 30 (0.001GRADE)
	ENVIRONMENTAL HUMIDITY	≤75%
	IP RATING	IP54 DUSTPROOF AND WATERPROOF

ORDERING INFORMATION:

SCT-108.003.04	SCT-BEN-pH-4	SCT BEN-pH-4 BENCHTOP GLP pH METER IS SUPPLIED WITH FLEXIBLE ELECTRODE HOLDER, pH/ATC THREE-IN-ONE COMBINATION ELECTRODE, pH STANDARD BUFFER SOLUTION 4.00, 7.00, 10.01 (50 ML), 9V POWER ADAPTER, RS-232 COMMUNICATION CABLE, COMMUNICATION SOFTWARE CD, OPERATION MANUAL, PACKING LIST
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* ORP / TEMP ELECTRODES & ACCESSORIES NOT INCLUDED, TO BE ORDERED SEPARATELY.

OPTIONAL ACCESSORIES: (SELECT ONLY IF REQUIRED)

ACCESSORY	PRODUCT NO.	DESCRIPTION
pH COMBINATION ELECTRODE	SCT-108.003.A5	PLASTIC THREE-IN-ONE COMBINATION pH ELECTRODE, SIMULTANEOUS MEASUREMENT OF pH AND TEMPERATURE, AUTOMATIC TEMPERATURE COMPENSATION, BNC + RCA PLUGS.
ORP COMPOSITE ELECTRODE	SCT-108.003.B1	PLASTIC ORP COMBINATION ELECTRODE, ORP MEASUREMENT FOR CONVENTIONAL, WIDE RANGE OF USES, BNC PLUG
TEMPERATURE ELECTRODE	SCT-108.002.D1	TEMPERATURE ELECTRODE, STAINLESS STEEL HOUSING, FAST RESPONSE, HIGH ACCURACY, RCA PLUGS
pH BUFFER	SCT-108.002.AA	pH4.00 BUFFER 500ML
	SCT-108.002.AB	pH4.00 BUFFER 250ML
	SCT-108.002.AG	pH7.00 BUFFER 500ML
	SCT-108.002.AH	pH7.00 BUFFER 250ML
	SCT-108.002.AM	pH10.01 BUFFER 500ML
	SCT-108.002.AN	pH10.01 BUFFER 250ML
ELECTRODE STORAGE SOLUTION	SCT-108.002.CA	pH (ORP) COMBINATION ELECTRODE STORAGE SOLUTION 500ML
	SCT-108.002.CB	pH (ORP) COMBINATION ELECTRODE STORAGE SOLUTION 250ML
ORP STANDARD SOLUTION	SCT-108.002.DA	222 mV ORP STANDARD SOLUTION 250ML
	SCT-108.002.DB	222 mV ORP STANDARD SOLUTION 100ML
ELECTRODE HOLDER	SCT-108.002.NA	FLEXIBLE ELECTRODE HOLDER, NICE APPEARANCE OF THE ARC-TYPE BRACKET, YOU CAN TURN 360 DEGREES AND VERTICAL LIFT

SCT PRECISION BENCHTOP pH / ORP / TEMP METER

SCT PRECISION pH/ORP/TEMP METER SUITABLE FOR PRECISE pH MEASUREMENTS FOR RESEARCH AND QUALITY CONTROL.

(RESOLUTION 0.001 pH)

SALIENT FEATURES:

- SCT METER MEETS WITH THE REQUIREMENT OF INTERNATIONAL GLP STANDARDS. ITS FEATURES UP TO AUTOMATIC CALIBRATION, AUTOMATIC TEMPERATURE COMPENSATION, DATA STORAGE, TIMING MEASUREMENT, CLOCK DISPLAY, RS-232 OUTPUT, FUNCTION SETTING AND SELF-DIAGNOSE ETC.
- THREE DIFFERENT MEASUREMENT MODES: STABLE DISPLAY MODE; TIME MEASUREMENT MODE; CONTINUOUS MEASUREMENT MODE.
- AUTOMATICALLY RECOGNIZE 12 KINDS OF pH BUFFER SOLUTION. USER CAN CHOOSE ANYONE FROM FOUR SERIES OF STANDARD BUFFER SOLUTIONS: EUROPE & USA SERIES & NIST SERIES.
- HIGH PURIFIED WATER AND AMMONIA ADDED PURIFIED WATER pH MEASURING MODE CAN BE SET UP.
- WITH EH REDOX POTENTIAL MEASURING MODE CAN DIRECTLY DISPLAY ORP VALUE WHICH AGAINST STANDARD POTENTIAL OF HYDROGEN ELECTRODE.
- EACH METER IS CODED WITH UNIQUE SERIAL NUMBER.
- DUSTPROOF AND WATERPROOF METER MEETS IP54 STANDARDS. ALL SOCKETS ARE SEAL PROTECTED BY THE SILICA GEL CAPS.
- SCT BENCHTOP METER MEETS : ISO9001 & CE STANDARDS.



TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.003.05	
MODEL NO	SCT-BEN-pH-5	
PARAMETER	PRODUCT NAME	SPECIFICATIONS
pH	MEASURING RANGE	-1.999 ~ 19.999 pH
	RESOLUTION	0.1/0.01/0.001 pH
	ACCURACY	±0.002 pH
	INPUT CURRENT	≤1×10 ⁻¹² A
	INPUT IMPEDANCE	≥3×10 ¹² Ω
	STABILITY	±0.002 pH/3H
	TEMP. COMPENSATION RANGE	(0 TO 100) (AUTOMATIC OR MANUAL)
mV	MEASURING RANGE(mV/ORP/EH)	-1999.9mV ~ 0 ~ 1999.9mV
	RESOLUTION	0.1mV
	ACCURACY	±0.03% FS
TEMPERATURE	MEASURING RANGE	-10 ~ 110°C
	RESOLUTION	0.1
	ACCURACY	5~ 60 (RANGE) ±0.4 (OTHER RANGE) ±0.8
OTHER TECHNICAL PARAMETERS	DATA STORAGE	300 GROUPS
	STORAGE CONTENT	MEASURING VALUE SERIES NUMBER, MEASURING VALUE, TEMPERATURE, ATC OR MTC STATE, MEASURING DATE AND TIME
	POWER	DC9V/300MA
	COMMUNICATION CONNECTOR	RS232
	SIZE AND WEIGHT	160 × 190 × 70MM/880G
WORKING CONDITION	QUALITY AND SAFETY CERTIFICATION	ISO9001:2008, CE
	ENVIRONMENT TEMPERATURE	5 ~ 35 (0.01GRADE), 15 ~ 30 (0.001 GRADE)
	ENVIRONMENTAL HUMIDITY	≤75%
	IP RATING	IP54 DUSTPROOF AND WATERPROOF

ORDERING INFORMATION:

SCT-108.003.05	SCT-BEN-pH-5	SCT BEN-pH-5 PRECISION pH/ORP/TEMP METER IS SUPPLIED WITH FLEXIBLE ELECTRODE HOLDER, pH/ ATC THREE-IN-ONE COMBINATION ELECTRODE, GLASS pH COMBINATION ELECTRODE, TEMPERATURE ELECTRODE, pH STANDARD BUFFER SOLUTION pH 4.00, 7.00, 10.01 (50 ML) , 9V POWER ADAPTER, RS-232 COMMUNICATION CABLE, COMMUNICATION SOFTWARE CD, OPERATION MANUAL, PACKING LIST
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* ORP ELECTRODE & ACCESSORIES NOT INCLUDED TO BE ORDERED SEPARATELY.

OPTIONAL ACCESSORIES: (SELECT ONLY IF REQUIRED)

ACCESSORY	PRODUCT NO.	DESCRIPTION
pH COMBINATION ELECTRODE	SCT-108.003.A5	PLASTIC THREE-IN-ONE COMBINATION pH ELECTRODE, SIMULTANEOUS MEASUREMENT OF pH AND TEMPERATURE, AUTOMATIC TEMPERATURE COMPENSATION, BNC + RCA PLUGS.
	SCT-108.003.A6	GLASS COMBINATION pH ELECTRODE, FOR PRECISE pH TEST, USED TO MEASURE COMPLEX SAMPLES, BNC PLUG.
ORP COMPOSITE ELECTRODE	SCT-108.003.B1	PLASTIC ORP COMBINATION ELECTRODE, ORP MEASUREMENT FOR CONVENTIONAL, WIDE RANGE OF USES, BNC PLUG
TEMP. ELECTRODE	SCT-108.002.D1	TEMPERATURE ELECTRODE, STAINLESS STEEL HOUSING, FAST RESPONSE, HIGH ACCURACY, RCA PLUGS
pH BUFFER	SCT-108.002.AA	pH4.00 BUFFER 500ML
	SCT-108.002.AB	pH4.00 BUFFER 250ML
	SCT-108.002.AG	pH7.00 BUFFER 500ML
	SCT-108.002.AH	pH7.00 BUFFER 250ML
	SCT-108.002.AM	pH10.01 BUFFER 500ML
	SCT-108.002.AN	pH10.01 BUFFER 250ML
ELECTRODE STORAGE SOLUTION	SCT-108.002.CA	pH (ORP) COMBINATION ELECTRODE STORAGE SOLUTION 500ML
	SCT-108.002.CB	pH (ORP) COMBINATION ELECTRODE STORAGE SOLUTION 250ML
ORP STANDARD SOLUTION	SCT-108.002.DA	222 mV ORP STANDARD SOLUTION 250ML
	SCT-108.002.DB	222 mV ORP STANDARD SOLUTION 100ML
ELECTRODE HOLDER	SCT-108.002.NA	FLEXIBLE ELECTRODE HOLDER, NICE APPEARANCE OF THE ARC-TYPE BRACKET, YOU CAN TURN 360 DEGREES AND VERTICAL LIFT
	SCT-108.002.NB	STIRRING TYPE ELECTRODE HOLDER, THE ELECTRODE HOLDER AND MAGNETIC STIRRER COMBINATION OF NEW PRODUCTS.
	SCT-108.002.NC	ELECTRODE HOLDER CHEAP SIMPLE ELECTRODE HOLDER

SCT BENCHTOP pH / CONDUCTIVITY / TDS / SALINITY / RESISTIVITY / TEMP METER

SCT BENCHTOP pH / CONDUCTIVITY METER IS THE MOST WIDELY USED pH AND CONDUCTIVITY DOUBLE PARAMETER MEASUREMENT METERS.

RESOLUTION pH 0.01 / CONDUCTIVITY 0.1.

SALIENT FEATURES:

- SCT BENCHTOP METER IS DESIGNED TO MEASURE CONDUCTIVITY, pH AND ORP.
- THE MOST WIDELY USED pH + CONDUCTIVITY DOUBLE-PARAMETER MEASUREMENT METER.
- METER MEETS WITH THE REQUIREMENT OF INTERNATIONAL GLP STANDARDS. ITS FEATURES UP TO AUTOMATIC CALIBRATION, AUTOMATIC TEMPERATURE COMPENSATION, DATA STORAGE, TIMING MEASUREMENT, CLOCK DISPLAY, RS-232 OUTPUT, FUNCTION SETTING AND SELF-DIAGNOSE ETC.
- THREE DIFFERENT MEASUREMENT MODES: STABLE DISPLAY MODE; TIME MEASUREMENT MODE; CONTINUOUS MEASUREMENT MODE.
- AUTOMATICALLY RECOGNIZE pH BUFFER SOLUTION. USER CAN CHOOSE ANYONE FROM THREE SERIES OF STANDARD BUFFER SOLUTIONS: EUROPE & USA SERIES, & NIST SERIES
- ADOPT ADVANCED AND ORIGINAL CONDUCTIVITY MEASUREMENT TECHNOLOGY, USE 1 PC OF CONDUCTIVITY ELECTRODE (K=1), IT CAN MEET MEASURING ACCURACY REQUIREMENT FOR RANGE WITHIN 0.5MS/CM ~ 200MS/CM BY USING ONLY ONE-POINT CALIBRATION.
- OPTION TO SWITCH CONDUCTIVITY, TDS, SALINITY AND RESISTIVITY.
- EACH METER IS CODED WITH UNIQUE SERIAL NUMBER.
- DUSTPROOF AND WATERPROOF METER MEETS IP54 STANDARDS. ALL SOCKETS ARE SEAL PROTECTED BY THE SILICA GEL CAPS.
- SCT BENCHTOP METER MEETS : ISO9001 & CE STANDARDS.



TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.003.06	
MODEL NO	SCT-BEN-pH-6	
PARAMETER	PRODUCT NAME	SPECIFICATIONS
pH	MEASURING RANGE	-1.99 ~ 19.99 pH
	RESOLUTION	0.1/0.01/0.001 pH
	ACCURACY	±0.01pH
	INPUT CURRENT	≤1×10 ⁻¹² A
	INPUT IMPEDANCE	≥3×10 ¹² Ω
	STABILITY	±0.01 pH/3H
	TEMP. COMPENSATION RANGE	(0 TO 100) AUTOMATIC OR MANUAL
mV	MEASURING RANGE(mV/ORP/EH)	-1999.9mV ~ 0 ~ 1999.9mV
	RESOLUTION	0.1mV
	ACCURACY	±0.03% FS
CONDUCTIVITY	MEASURING RANGE	CONDUCTIVITY 0.00~20.00 μS/CM 20.0~200.0 μS/CM
		200~2000 μS/CM 2.00~20.00 mS/CM
		20.0~200.0 mS/CM
		RESISTIVITY 0 ~ 100 MΩ·CM
		TDS: 0 ~ 100 G/L
		SALINITY 0 ~ 100 PPT
	RESOLUTION	0.01/0.1/1μS/CM 0.01/0.1/1 mS/CM
	ACCURACY	±1.0% FS
	TEMP. COMPENSATION RANGE	0 ~ 50 AUTOMATIC
	ELECTRODE CONSTANT	0.1 / 0.5 / 1 / 5 / 10 / 50 / 100 CM-1
TEMPERATURE	REFERENCE TEMPERATURE	25 20 AND 18
	MEASURING RANGE	-10 ~ 110°C
	RESOLUTION	0.1°C
OTHER TECHNICAL PARAMETERS:	ACCURACY	5~ 60 RANGE ±0.4 OTHER RANGE ±0.8
	DATA STORAGE	300 GROUPS
	STORAGE CONTENT	MEASURING VALUE SERIES NUMBER, MEASURING VALUE, TEMPERATURE, ATC OR MTC STATE, MEASURING DATE AND TIME
	POWER	DC9V/300MA
	COMMUNICATION CONNECTOR	RS232
	SIZE AND WEIGHT	160 × 190 × 70MM/880G
	QUALITY AND SAFETY CERTIFICATION	ISO9001:2008, CE
WORKING CONDITION	ENVIRONMENT TEMPERATURE	5 ~ 35 0.01GRADE 15 ~ 30 0.001GRADE
	ENVIRONMENTAL HUMIDITY	≤75%
	IP RATING	IP54 DUSTPROOF AND WATERPROOF

ORDERING INFORMATION:

SCT-108.003.06	SCT-BEN-pH-6	SCT BEN-pH-6 pH / CONDUCTIVITY BENCHTOP METER IS SUPPLIED WITH FLEXIBLE ELECTRODE HOLDER, pH/ ATC THREE-IN-ONE COMBINATION ELECTRODE, PLASTIC CONDUCTIVITY ELECTRODE, pH STANDARD BUFFER SOLUTION 4.00, 7.00, 10.01 (50 ML), 1413 μ S/CM CONDUCTIVITY STANDARD SOLUTION 50 ML, 9V POWER ADAPTER, RS-232 COMMUNICATION CABLE, COMMUNICATION SOFTWARE DISK, OPERATION MANUAL & PACKING LIST
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* ORP ELECTRODE & ACCESSORIES NOT INCLUDED TO BE ORDERED SEPARATELY.

OPTIONAL ACCESSORIES: (SELECT ONLY IF REQUIRED)

ACCESSORY	PRODUCT NO.	DESCRIPTION
pH COMBINATION ELECTRODE	SCT-108.003.A5	PLASTIC THREE-IN-ONE COMBINATION pH ELECTRODE, SIMULTANEOUS MEASUREMENT OF pH AND TEMPERATURE, AUTOMATIC TEMPERATURE COMPENSATION, BNC+RCA PLUGS.
CONDUCTIVITY ELECTRODE	SCT-108.003.C3	PLASTIC CONDUCTIVITY ELECTRODE, K=1.0 CM-1 AUTOMATIC TEMPERATURE COMPENSATION FOR LABORATORY AND FIELD TESTING, 4-PIN PLUG.
ORP COMPOSITE ELECTRODE	SCT-108.003.B1	PLASTICE ORP COMBINATION ELECTRODE, ORP MEASUREMENT FOR CONVENTIONAL, WIDE RANGE OF USES, BNC PLUG
TEMPERATURE ELECTRODE	SCT-108.002.D1	TEMPERATURE ELECTRODE, STAINLESS STEEL HOUSING, FAST RESPONSE, HIGH ACCURACY, RCA PLUGS
pH BUFFER	SCT-108.002.AA	pH4.00 BUFFER 500ML
	SCT-108.002.AB	pH4.00 BUFFER 250ML
	SCT-108.002.AG	pH7.00 BUFFER 500ML
	SCT-108.002.AH	pH7.00 BUFFER 250ML
	SCT-108.002.AM	pH10.01 BUFFER 500ML
	SCT-108.002.AN	pH10.01 BUFFER 250ML
CONDUCTIVITY CALIBRATION SOLUTION	SCT-108.002.BA	84 μ S/CM CONDUCTIVITY CALIBRATION SOLUTION 500ML
	SCT-108.002.BB	84 μ S/CM CONDUCTIVITY CALIBRATION SOLUTION 250ML
	SCT-108.002.BD	1413 μ S/CM CONDUCTIVITY CALIBRATION SOLUTION 500ML
	SCT-108.002.BE	1413 μ S/CM CONDUCTIVITY CALIBRATION SOLUTION 250ML
	SCT-108.002.BG	12.88 mS/CM CONDUCTIVITY CALIBRATION SOLUTION 500ML
	SCT-108.002.BH	12.88 mS/CM CONDUCTIVITY CALIBRATION SOLUTION 250ML
ELECTRODE STORAGE SOLUTION	SCT-108.002.CA	pH (ORP) COMBINATION ELECTRODE SOAKING SOLUTION 500ML
	SCT-108.002.CB	pH (ORP) COMBINATION ELECTRODE SOAKING SOLUTION 250ML
ORP STANDARD SOLUTION	SCT-108.002.DA	222 mV ORP STANDARD SOLUTION 250ML
	SCT-108.002.DB	222 mV ORP STANDARD SOLUTION 100ML
ELECTRODE HOLDER	SCT-108.002.NA	FLEXIBLE ELECTRODE HOLDER, NICE APPEARANCE OF THE ARC-TYPE BRACKET, YOU CAN TURN 360 DEGREES AND VERTICAL LIFT
	SCT-108.002.NB	STIRRING TYPE ELECTRODE HOLDER, THE ELECTRODE HOLDER AND MAGNETIC STIRRER COMBINATION OF NEW PRODUCTS.
	SCT-108.002.NC	ELECTRODE HOLDER, CHEAP SIMPLE ELECTRODE HOLDER

SCT PRECISION GLP pH / CONDUCTIVITY / TDS / SALINITY / RESISTIVITY / TEMP METER

SCT BENCHTOP PRECISION GLP pH / CONDUCTIVITY METER IS SUITABLE FOR PRECISION MEASUREMENT RESEARCH AND QUALITY CONTROL, RESOLUTION pH 0.001 AND CONDUCTIVITY 0.5.

SALIENT FEATURES:

- SCT METER MEETS WITH THE REQUIREMENT OF INTERNATIONAL GLP STANDARDS. ITS FEATURES UP TO AUTOMATIC CALIBRATION, AUTOMATIC TEMPERATURE COMPENSATION, DATA STORAGE, TIMING MEASUREMENT, CLOCK DISPLAY, RS-232 OUTPUT, FUNCTION SETTING AND SELF-DIAGNOSE ETC.
- THREE DIFFERENT MEASUREMENT MODES: STABLE DISPLAY MODE; TIME MEASUREMENT MODE; CONTINUOUS MEASUREMENT MODE.
- AUTOMATICALLY RECOGNIZE 12 KINDS OF pH BUFFER SOLUTION. USER CAN CHOOSE ANYONE FROM FOUR SERIES OF STANDARD BUFFER SOLUTIONS: EUROPE & USA SERIES & NIST SERIES
- HIGH PURIFIED WATER AND AMMONIA ADDED PURIFIED WATER pH MEASURING MODE CAN BE SET UP.
- WITH EH REDOX POTENTIAL MEASURING MODE CAN DIRECTLY DISPLAY ORP VALUE WHICH AGAINST STANDARD POTENTIAL OF HYDROGEN ELECTRODE.
- AUTOMATICALLY RECOGNIZE 8 KINDS OF CONDUCTIVITY STANDARD SOLUTION. USER CAN CHOOSE ANYONE FROM TWO SERIES OF SOLUTIONS: EUROPE & USA SERIES
- ADOPT ADVANCED AND ORIGINAL CONDUCTIVITY MEASUREMENT TECHNOLOGY, USE 1 PC OF CONDUCTIVITY ELECTRODE (K=1), IT CAN MEET MEASURING ACCURACY REQUIREMENT FOR RANGE WITHIN 0.5MS/CM ~ 200MS/CM BY USING ONLY ONE-POINT CALIBRATION.
- AUTOMATICALLY SELECT CONDUCTIVITY MEASUREMENT RANGE, WHEN MEASURING HIGH PURE WATER, EQUIPMENT AUTOMATICALLY ENTER INTO TEMPERATURE COMPENSATION OF NONLINEAR MODEL.
- EACH METER IS CODED WITH UNIQUE SERIAL NUMBER.
- DUSTPROOF AND WATERPROOF METER MEETS IP54 STANDARDS. ALL SOCKETS ARE SEAL PROTECTED BY THE SILICA GEL CAPS.
- SCT BENCHTOP METER MEETS : ISO9001 & CE STANDARDS.



TECHNICAL SPECIFICATIONS :

PRODUCT NO.	SCT-108.003.07	
MODEL NO	SCT-BEN-pH-7	
PARAMETER	PRODUCT NAME	SPECIFICATIONS
pH	MEASURING RANGE	-1.999 ~ 19.999 pH
	RESOLUTION	0.1/0.01/0.001 pH
	ACCURACY	±0.002 pH
	INPUT CURRENT	≤1×10 ⁻¹² A
	INPUT IMPEDANCE	≥3×10 ¹² Ω
	STABILITY	±0.002 pH/3H
	TEMP. COMPENSATION RANGE	(0 TO 100) AUTOMATIC OR MANUAL
mV	MEASURING RANGE(mV/ORP/EH)	-1999.9mV ~ 0 ~ 1999.9mV
	RESOLUTION	0.1mV
	ACCURACY	±0.03% FS
CONDUCTIVITY	MEASURING RANGE	CONDUCTIVITY 0.00~20.00 μS/CM 20.0~200.0 μS/CM
		200~2000 μS/CM 2.00~20.00 mS/CM
		20.0~200.0 mS/CM 200~2000 mS/CM K=10
		RESISTIVITY 0 ~ 100 MΩ-CM
		TDS: 0 ~ 100 G/L
		SALINITY 0 ~ 100PPT
	RESOLUTION	0.01/0.1/1μS/CM 0.01/0.1/1 MS/CM
	ACCURACY	±0.5% FS
	TEMP. COMPENSATION RANGE	0 ~ 50°C AUTOMATIC
TEMPERATURE	ELECTRODE CONSTANT	0.1 / 0.5 / 1 / 5 / 10 / 50 / 100 CM-1
	REFERENCE TEMPERATURE	25 20 AND 18
	MEASURING RANGE	-10 ~ 110°C
	RESOLUTION	0.1
	ACCURACY	5~ 60 RANGE ±0.4 OTHER RANGE ±0.8
OTHER TECHNICAL PARAMETERS:	DATA STORAGE	300 GROUPS
	STORAGE CONTENT	MEASURING VALUE SERIES NUMBER, MEASURING VALUE, TEMPERATURE, ATC OR MTC STATE, MEASURING DATE AND TIME
	POWER	DC9V/300MA
	COMMUNICATION CONNECTOR	RS232
	SIZE AND WEIGHT	160 × 190 × 70MM/880G
	QUALITY AND SAFETY CERTIFICATION	ISO9001:2008, CE
WORKING CONDITION	ENVIRONMENT TEMPERATURE	5 ~ 35 0.01GRADE 15 ~ 30 0.001GRADE
	ENVIRONMENTAL HUMIDITY	≤75%
	IP RATING	IP54 DUSTPROOF AND WATERPROOF

ORDERING INFORMATION:

SCT-108.003.07	SCT-BEN-pH-7	SCT BEN-pH-7 PRECISION GLP pH/CONDUCTIVITY METER IS SUPPLIED WITH FLEXIBLE ELECTRODE HOLDER, pH/ATC THREE-IN-ONE COMBINATION ELECTRODE, GLASS pH COMBINATION ELECTRODE,TEMPERATURE ELECTRODE,CONDUCTIVITY ELECTRODE, pH STANDARD BUFFER SOLUTION 4.00, 7.00, 10.01 (50 ML) 1413μS/CM CONDUCTIVITY STANDARD SOLUTION 50ML, 9V POWER ADAPTER, RS-232 COMMUNICATION CABLE, COMMUNICATION SOFTWARE DISK, OPERATION MANUAL AND PACKING LIST
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OPTIONAL ACCESSORIES: (SELECT ONLY IF REQUIRED)

ACCESSORY	PRODUCT NO.	DESCRIPTION
pH COMBINATION ELECTRODE	SCT-108.003.A5	PLASTIC THREE-IN-ONE COMBINATION pH ELECTRODE, SIMULTANEOUS MEASUREMENT OF pH AND TEMPERATURE, AUTOMATIC TEMPERATURE COMPENSATION, BNC + RCA PLUGS.
	SCT-108.003.A6	GLASS COMBINATION pH ELECTRODE, FOR PRECISE pH TEST, USED TO MEASURE COMPLEX SAMPLES, BNC PLUG.
CONDUCTIVITY ELECTRODE	SCT-108.003.C2	GLASS CONDUCTIVITY ELECTRODE, K=1.0 CM-1 AUTOMATIC TEMPERATURE COMPENSATION, PRECISION LABORATORY TEST FOR CONDUCTIVITY, 4-PIN PLUG.
ORP COMPOSITE ELECTRODE	SCT-108.003.B1	PLASTIC ORP COMBINATION ELECTRODE, ORP MEASUREMENT FOR CONVENTIONAL, WIDE RANGE OF USES, BNC PLUG
TEMPERATURE ELECTRODE	SCT-108.002.D1	TEMPERATURE ELECTRODE, STAINLESS STEEL HOUSING, FAST RESPONSE, HIGH ACCURACY, RCA PLUGS
pH BUFFER	SCT-108.002.AA	pH4.00 BUFFER 500ML
	SCT-108.002.AB	pH4.00 BUFFER250ML
	SCT-108.002.AG	pH7.00 BUFFER500ML
	SCT-108.002.AH	pH7.00 BUFFER250ML
	SCT-108.002.AM	pH10.01 BUFFER500ML
	SCT-108.002.AN	pH10.01 BUFFER250ML

CONDUCTIVITY CALIBRATION SOLUTION	SCT-108.002.BA	84 μ S/CM CONDUCTIVITY CALIBRATION SOLUTION 500ML
	SCT-108.002.BB	84 μ S/CM CONDUCTIVITY CALIBRATION SOLUTION 250ML
	SCT-108.002.BD	1413 μ S/CM CONDUCTIVITY CALIBRATION SOLUTION 500ML
	SCT-108.002.BE	1413 μ S/CM CONDUCTIVITY CALIBRATION SOLUTION 250ML
	SCT-108.002.BG	12.88 mS/CM CONDUCTIVITY CALIBRATION SOLUTION 500ML
	SCT-108.002.BH	12.88 mS/CM CONDUCTIVITY CALIBRATION SOLUTION 250ML
ELECTRODE STORAGE SOLUTION	SCT-108.002.CA	pH (ORP) COMBINATION ELECTRODE SOAKING SOLUTION 500ML
	SCT-108.002.CB	pH (ORP) COMBINATION ELECTRODE SOAKING SOLUTION 250ML
ORP STANDARD SOLUTION	SCT-108.002.DA	222 mV ORP STANDARD SOLUTION 250ML
	SCT-108.002.DB	222 mV ORP STANDARD SOLUTION 100ML
ELECTRODE HOLDER	SCT-108.002.NA	FLEXIBLE ELECTRODE HOLDER, NICE APPEARANCE OF THE ARC-TYPE BRACKET, YOU CAN TURN 360 DEGREES AND VERTICAL LIFT
	SCT-108.002.NB	STIRRING TYPE ELECTRODE HOLDER, THE ELECTRODE HOLDER AND MAGNETIC STIRRER COMBINATION OF NEW PRODUCTS.
	SCT-108.002.NC	ELECTRODE HOLDER, CHEAP SIMPLE ELECTRODE HOLDER

SCT BENCHTOP pH / ISE METER

SCT BENCHTOP pH / ISE METER IS THE HIGH PRECISION pH + ISE DOUBLE PARAMETER MEASUREMENT METER WHICH IS SUITABLE FOR PRECISION MEASUREMENT RESEARCH AND QUALITY CONTROL.

10 KINDS OF COMMON IONS CAN BE SELECTED IN THE ION CONCENTRATION MEASURING MODE USER ALSO CAN SELF DEFEND OTHER IONS.

CAN SWITCH 4 KINDS OF CONCENTRATION UNIT pX, mol / L, mg/L and ppm.

INSTRUMENT RESOLUTION pH 0.001, ISE 0.01.

SALIENT FEATURES:

- SCT METER MEETS WITH THE REQUIREMENT OF INTERNATIONAL GLP STANDARDS. ITS FEATURES UP TO AUTOMATIC CALIBRATION, AUTOMATIC TEMPERATURE COMPENSATION, DATA STORAGE, TIMING MEASUREMENT, CLOCK DISPLAY, RS-232 OUTPUT, FUNCTION SETTING AND SELF-DIAGNOSE ETC.
- THREE DIFFERENT MEASUREMENT MODES: STABLE DISPLAY MODE; TIME MEASUREMENT MODE; CONTINUOUS MEASUREMENT MODE.
- AUTOMATICALLY RECOGNIZE 13 KINDS OF pH BUFFER SOLUTION. USER CAN CHOOSE ANYONE FROM FOUR SERIES OF STANDARD BUFFER SOLUTIONS: EUROPE & USA SERIES & NIST SERIES
- HIGH PURIFIED WATER AND AMMONIA ADDED PURIFIED WATER pH MEASURING MODE CAN BE SET UP.
- WITH EH REDOX POTENTIAL MEASURING MODE CAN DIRECTLY DISPLAY ORP VALUE WHICH AGAINST STANDARD POTENTIAL OF HYDROGEN ELECTRODE.
- THERE ARE 10 KINDS OF COMMON IONS CAN BE SELECTED IN THE ION CONCENTRATION MEASURING MODE, USER ALSO CAN SELF-DEFINE OTHER IONS.
- CAN SWITCH 4 KINDS OF CONCENTRATION UNIT : PX, MOL/L, MG/L AND PPM.
- EACH METER IS CODED WITH UNIQUE SERIAL NUMBER.
- DUSTPROOF AND WATERPROOF METER MEETS IP54 STANDARDS. ALL SOCKETS ARE SEAL PROTECTED BY THE SILICA GEL CAPS.
- SCT BENCHTOP METER MEETS : ISO9001 & CE STANDARDS.



TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.003.08	
MODEL NO	SCT-BEN-ISE-1	
PARAMETER	PRODUCT NAME	SPECIFICATIONS
pH	MEASURING RANGE	-1.999 ~ 19.999 pH
	RESOLUTION	0.1/0.01/0.001 pH
	ACCURACY	±0.002 pH
	INPUT CURRENT	≤1×10 ⁻¹² A
	INPUT IMPEDANCE	≥3×10 ¹² Ω
	STABILITY	±0.002 pH/3H
mV	TEMP. COMPENSATION RANGE	(0 TO 100) AUTOMATIC OR MANUAL
	MEASURING RANGE(mV/ORP/EH)	-1999.9mV ~ 0 ~ 1999.9mV
	RESOLUTION	0.1mV
	ACCURACY	±0.03% FS
ION CONCENTRATION	MEASURING RANGE	0.00 ~ 14.00 PX
	DISPLAY UNIT	PX MOL/L MG/L PPM
	ACCURACY	METER:±0.5 % READING(MONOVALENT), ±1.0 % READING (BIVALENT)
	TEMP. COMPENSATION RANGE	0 TO 60 AUTOMATIC OR MANUAL

TEMPERATURE	MEASURING RANGE	-10°C ~ 110°C
	RESOLUTION	0.1
	ACCURACY	5~ 60 RANGE ± 0.4 OTHER RANGE ± 0.8
OTHER TECHNICAL PARAMETERS:	DATA STORAGE	300 GROUPS
	STORAGE CONTENT	MEASURING VALUE SERIES NUMBER, MEASURING VALUE, TEMPERATURE, ATC OR MTC STATE, MEASURING DATE AND TIME
	POWER	DC9V/300MA
	COMMUNICATION CONNECTOR	RS232
	SIZE AND WEIGHT	160 × 190 × 70MM/880G
	QUALITY AND SAFETY CERTIFICATION	ISO9001:2008, CE
WORKING CONDITION	ENVIRONMENT TEMPERATURE	5°C ~ 35°C 0.01GRADE
	ENVIRONMENTAL HUMIDITY	≤75%
	IP RATING	IP54 DUSTPROOF AND WATERPROOF

ORDERING INFORMATION:

SCT-108.003.08	SCT-BEN-ISE-1	SCT BEN-ISE-1 BENCHTOP pH/ISE METER IS SUPPLIED WITH FLEXIBLE ELECTRODE HOLDER, INTELLIGENT STIRRER, pH/ATC THREE-IN-ONE COMBINATION ELECTRODE, GLASS pH COMBINATION ELECTRODE, TEMPERATURE ELECTRODE DOUBLE SALT BRIDGE REFERENCE ELECTRODE, pH STANDARD BUFFER SOLUTION 50 ML, 9V POWER ADAPTER, 6V POWER ADAPTER, STIRRING BEAD, BATTERY, RS-232 COMMUNICATION CABLE, COMMUNICATION SOFTWARE DISK, OPERATION MANUAL & PACKING LIST
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* ION SELECTIVE ELECTRODES / ACCESSORIES IS NOT INCLUDED AND TO BE ORDERED SEPARATELY.

OPTIONAL ACCESSORIES: (SELECT ONLY IF REQUIRED)

ACCESSORY	PRODUCT NO.	DESCRIPTION
pH COMBINATION ELECTRODE	SCT-108.003.A5	PLASTIC THREE-IN-ONE COMBINATION pH ELECTRODE, SIMULTANEOUS MEASUREMENT OF pH AND TEMPERATURE, AUTOMATIC TEMPERATURE COMPENSATION, BNC + RCA PLUGS.
	SCT-108.003.A6	GLASS COMBINATION pH ELECTRODE, FOR PRECISE pH TEST, USED TO MEASURE COMPLEX SAMPLES, BNC PLUG.
ION ELECTRODE	SCT-108.003.E1	SODIUM ION ELECTRODE, USED TO TEST THE CONCENTRATION OF SODIUM ION BNC PLUG
	SCT-108.003.E2	CALCIUM COMPOSITE ELECTRODE, USED FOR TESTING CALCIUM CONCENTRATION BNC PLUG
	SCT-108.003.E3	CALCIUM ELECTRODE PROBE, USED WITH ELECTRODE
	SCT-108.003.E4	FLUORIDE ELECTRODE, USED TO TEST FLUORIDE CONCENTRATION BNC PLUG
	SCT-108.003.E5	CHLORIDE ELECTRODE, USED TO TEST THE CONCENTRATION OF CHLORIDE ION BNC PLUG
	SCT-108.003.E6	BROMINE ELECTRODE, USED TO TEST THE CONCENTRATION OF BROMINE ION BNC PLUG
REFERENCE ELECTRODE	SCT-108.003.E7	IODIDE ELECTRODE, USED TO TEST THE CONCENTRATION OF IODIDE ION BNC PLUG
	SCT-108.003.F3	REFERENCE ELECTRODE, THE FIRST AND SECOND SALT BRIDGE SOLUTION CAN BE CHOSEN, FOR ALL MEASUREMENT OCCASIONS, BANANA PLUGS.
ORP COMPOSITE ELECTRODE	SCT-108.003.B1	PLASTIC ORP COMBINATION ELECTRODE, ORP MEASUREMENT FOR CONVENTIONAL, WIDE RANGE OF USES, BNC PLUG
	SCT-108.003.B2	GLASS ORP COMBINATION ELECTRODE, ORP MEASUREMENT OF ROUTINE LABORATORY, TEST STABILITY, FAST RESPONSE, BNC PLUG
TEMPERATURE ELECTRODE	SCT-108.002.D1	TEMPERATURE ELECTRODE, STAINLESS STEEL HOUSING, FAST RESPONSE, HIGH ACCURACY, RCA PLUGS
pH BUFFER	SCT-108.002.AA	pH4.00 BUFFER 500ML
	SCT-108.002.AB	pH4.00 BUFFER 250ML
	SCT-108.002.AG	pH7.00 BUFFER 500ML
	SCT-108.002.AH	pH7.00 BUFFER 250ML
	SCT-108.002.AM	pH10.01 BUFFER 500ML
	SCT-108.002.AN	pH10.01 BUFFER 250ML
ELECTRODE STORAGE	SCT-108.002.CA	pH (ORP) COMBINATION ELECTRODE STORAGE SOLUTION 500ML
	SCT-108.002.CB	pH (ORP) COMBINATION ELECTRODE STORAGE SOLUTION 250ML
ORP STANDARD SOLUTION	SCT-108.002.DA	222 mV ORP STANDARD SOLUTION, 250ML
	SCT-108.002.DB	222 mV ORP STANDARD SOLUTION, 100ML
ELECTRODE HOLDER	SCT-108.002.NA	FLEXIBLE ELECTRODE HOLDER, NICE APPEARANCE OF THE ARC-TYPE BRACKET, YOU CAN TURN 360 DEGREES AND VERTICAL LIFT
	SCT-108.002.NB	STIRRING TYPE ELECTRODE HOLDER, THE ELECTRODE HOLDER AND MAGNETIC STIRRER COMBINATION OF NEW PRODUCTS.
	SCT-108.002.NC	ELECTRODE HOLDER, CHEAP SIMPLE ELECTRODE HOLDER

SCT BENCHTOP pH / DISSOLVED OXYGEN (D.O.) METER

SCT BENCHTOP pH / DO METER IS THE HGIH PRECISION pH/DO DOUBLE PARAMETER MEASUREMENT METER WHICH IS SUITABLE FOR PRECISION MEASUREMENT.

DO MEASUREMENT AS ATC/AUTOMATIC SALINITY COMPENSATION AND AUTOMATIC AIR PRESSURE COMPENSATION.

POLARO GRAPHIC TYPE OXYGEN ELECTRODE, THE POLARISATION TIME IS SHORT, FAST RESPONSE AND ACCURATE MEASUREMENT.

INSTRUMENT RESOLUTION pH 0.001.

SALIENT FEATURES:

- SCT METER MEETS WITH THE REQUIREMENT OF INTERNATIONAL GLP STANDARDS. ITS FEATURES UP TO AUTOMATIC CALIBRATION, AUTOMATIC TEMPERATURE COMPENSATION, DATA STORAGE, TIMING MEASUREMENT, CLOCK DISPLAY, RS-232 OUTPUT, FUNCTION SETTING AND SELF-DIAGNOSE ETC.
- THREE DIFFERENT MEASUREMENT MODES: STABLE DISPLAY MODE; TIME MEASUREMENT MODE; CONTINUOUS MEASUREMENT MODE.
- AUTOMATICALLY RECOGNIZE 12 KINDS OF pH BUFFER SOLUTION. USER CAN CHOOSE ANYONE FROM FOUR SERIES OF STANDARD BUFFER SOLUTIONS: EUROPE & USA SERIES & NIST SERIES.
- HIGH PURIFIED WATER AND AMMONIA ADDED PURIFIED WATER pH MEASURING MODE CAN BE SET UP.
- WITH EH REDOX POTENTIAL MEASURING MODE CAN DIRECTLY DISPLAY ORP VALUE WHICH AGAINST STANDARD POTENTIAL OF HYDROGEN ELECTRODE.
- EQUIPS NEW TYPE OF DO ELECTRODE WHICH HAS FUNCTION OF AUTOMATIC TEMPERATURE COMPENSATION AND AUTOMATIC SALINITY COMPENSATION AS WELL AS AUTOMATIC AIR PRESSURE COMPENSATION INSIDE METER TO MAKE DO MEASURING MODE HAS TEMPERATURE, AIR PRESSURE AND SALINITY AUTOMATIC COMPENSATION, EASY TO USE, ACCURATE TO MEASURE.
- POLAROGRAPH TYPE DO ELECTRODE HAS SPECIAL ELECTRODE CALIBRATION CAP. ONLY NEEDS 3 TO 5 MINUTES FOR ELECTRODE POLARIZATION. ELECTRODE ADOPTS COMBINATION DIAPHRAGM CAP WHICH VERY CONVENIENT TO USE. EACH DO ELECTRODE EQUIPS WITH THREE SPARE DIAPHRAGMS CAPS.
- EACH METER IS CODED WITH UNIQUE SERIAL NUMBER.
- DUSTPROOF AND WATERPROOF METER MEETS IP54 STANDARDS. ALL SOCKETS ARE SEAL PROTECTED BY THE SILICA GEL CAPS.
- SCT BENCHTOP METER MEETS : ISO9001 & CE STANDARDS.



TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.003.09		
MODEL NO	SCT-BEN-pH-8		
PARAMETER	PRODUCT NAME	SPECIFICATIONS	
pH	MEASURING RANGE	-1.999 ~ 19.999 pH	
	RESOLUTION	0.1/0.01/0.001 pH	
	ACCURACY	±0.002 pH	
	INPUT CURRENT	≤1×10 ⁻¹² A	
	INPUT IMPEDANCE	≥3×10 ¹² Ω	
	STABILITY	±0.002 pH/3H	
	TEMP. COMPENSATION RANGE	(0 TO 100) (AUTOMATIC OR MANUAL)	
mV	MEASURING RANGE(mV/ORP/EH)	-1999.9mV ~ 0 ~ 1999.9mV	
	RESOLUTION	0.1mV	
	ACCURACY	±0.03% FS	
DISSOLVED OXYGEN	MEASURING RANGE	0 ~ 40.00 MG/L (PPM) 0 ~ 200.0%	
	RESOLUTION	0.1/0.01 MG/L (PPM) 1/0.1 %	
	ACCURACY	±0.10 MG/L	
	RESPONSE TIME	≤30 S(25), 90% RESPONSE	
	RESIDUAL CURRENT	≤0.1 MG/L	
	TEMP. COMPENSATION RANGE	0 ~ 45 (AUTOMATIC)	
	SALINITY COMPENSATION RANGE	0 ~ 45 PPT (AUTOMATIC)	
	AIR PRESSURE COMPENSATION	80 ~ 105 KPA (AUTOMATIC)	
	AUTOMATIC CALIBRATION	AIR SATURATED BY WATER; WATER SATURATED BY AIR	
TEMPERATURE	ELECTRODE TYPE	POLAROGRAPH TYPE	
	MEASURING RANGE	-10~ 110°C	
	RESOLUTION	0.1°C	
	ACCURACY	5~ 60 RANGE (±0.4) OTHER RANGE (±0.8)	
OTHER TECHNICAL PARAMETERS:	DATA STORAGE	300 GROUPS	
	STORAGE CONTENT	MEASURING VALUE SERIES NUMBER, MEASURING VALUE, TEMPERATURE, ATC OR MTC STATE, MEASURING DATE AND TIME	
	POWER	DC9V/300MA	
	COMMUNICATION CONNECTOR	RS232	
	SIZE AND WEIGHT	160 × 190 × 70MM/880G	
	QUALITY AND SAFETY CERTIFICATION	ISO9001:2008, CE	
WORKING CONDITION	ENVIRONMENT TEMPERATURE	5 ~ 35 (0.01GRADE) 15 ~ 30 (0.001GRADE)	
	ENVIRONMENTAL HUMIDITY	≤75%	
	IP RATING	IP54 DUSTPROOF AND WATERPROOF	

ORDERING INFORMATION:

SCT-108.003.09	SCT-BEN-pH-8	SCT BEN-pH-8 BENCHTOP pH / DO METER IS SUPPLIED WITH FLEXIBLE ELECTRODE HOLDER, INTELLIGENT STIRRER, pH/ATC THREE-IN-ONE COMBINATION ELECTRODE, GLASS pH COMBINATION ELECTRODE, TEMPERATURE ELECTRODE, DO ELECTRODE, pH STANDARD BUFFER SOLUTION 4.00, 7.00, 10.01 (50ML), 9V POWER ADAPTER, 6V POWER ADAPTER MEMBRANE CAP, DO ELECTRODE INNER SOLUTION, CATHODE POLISHING PAPER, STIRRING BEAD, BATTERY RS-232 COMMUNICATION CABLE, COMMUNICATION SOFTWARE DISK, OPERATION MANUAL & PACKING LIST.
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OPTIONAL ACCESSORIES: (SELECT ONLY IF REQUIRED)

ACCESSORY	PRODUCT NO.	DESCRIPTION
pH COMBINATION ELECTRODE	SCT-108.003.A5	PLASTIC THREE-IN-ONE COMBINATION pH ELECTRODE, SIMULTANEOUS MEASUREMENT OF pH AND TEMPERATURE, AUTOMATIC TEMPERATURE COMPENSATION, BNC + RCA PLUGS.
	SCT-108.003.A6	GLASS COMBINATION pH ELECTRODE FOR PRECISE pH TEST, USED TO MEASURE COMPLEX SAMPLES, BNC PLUG.
DO ELECTRODE	SCT-108.002.D1	DO ELECTRODE, POLAROGRAPHIC-TYPE DO ELECTRODE FOR LABORATORY AND FIELD USING, 8-PIN PLUG
DO ELECTRODE ATTACHMENT	SCT-108.003.D2	DO ELECTRODE MEMBRANE CAP, COMBINED MEMBRANE CAP DEDICATED TO THE DO500 DO ELECTRODE, SIZE: 3 / GROUP
	SCT-108.003.IA	DO ELECTRODE ELECTROLYTE, ADDED ELECTROLYTE, DEDICATED TO THE DO500 DO ELECTRODE, TECHNICAL SPECIFICATIONS: 30ML/BOTTLE
	SCT-108.003.IB	CATHODE POLISHING PAPER, POLISHING PAPER, DEDICATED TO CLEAN DO500 DO ELECTRODE CATHODE, SIZE: 2 / GROUP.
ORP COMPOSITE ELECTRODE	SCT-108.003.B1	PLASTIC ORP COMBINATION ELECTRODE, ORP MEASUREMENT FOR CONVENTIONAL, WIDE RANGE OF USES, BNC PLUG
TEMPERATURE ELECTRODE	SCT-108.002.D1	TEMPERATURE ELECTRODE, STAINLESS STEEL HOUSING, FAST RESPONSE, HIGH ACCURACY, RCA PLUGS
pH BUFFER	SCT-108.002.AA	pH4.00 BUFFER 500ML
	SCT-108.002.AB	pH4.00 BUFFER 250ML
	SCT-108.002.AG	pH7.00 BUFFER 500ML
	SCT-108.002.AH	pH7.00 BUFFER 250ML
	SCT-108.002.AM	pH10.01 BUFFER 500ML
	SCT-108.002.AN	pH10.01 BUFFER 250ML
ELECTRODE STORAGE SOLUTION	SCT-108.002.CA	pH (ORP) COMBINATION ELECTRODE STORAGE SOLUTION 500 ML
	SCT-108.002.CB	pH (ORP) COMBINATION ELECTRODE STORAGE SOLUTION 250 ML
ORP STANDARD SOLUTION	SCT-108.002.DA	222 mV ORP STANDARD SOLUTION 250 ML
	SCT-108.002.DB	222 mV ORP STANDARD SOLUTION 100 ML
ELECTRODE HOLDER	SCT-108.002.NA	FLEXIBLE ELECTRODE HOLDER, NICE APPEARANCE OF THE ARC-TYPE BRACKET, YOU CAN TURN 360 DEGREES AND VERTICAL LIFT
	SCT-108.002.NB	STIRRING TYPE ELECTRODE HOLDER, THE ELECTRODE HOLDER AND MAGNETIC STIRRER COMBINATION OF NEW PRODUCTS.
	SCT-108.002.NC	SIMPLE ELECTRODE HOLDER

SCT BENCHTOP pH/mV/ISE/CONDUCTIVITY/TDS/SALINITY/RESISTIVITY/DO/TEMP METER

SCT BENCHTOP pH / mV / ISE / CONDUCTIVITY / DO METER IS THE HIGH PRECISION MULTI PARAMETER MEASUREMENT INSTRUMENT.

IT HAS HIGH PURE WATER pH / CONDUCTIVITY MEASUREMENT MODE.

IT HAS LARGE MEASUREMENT RANGE AND HIGH ACCURACY CONDUCTIVITY MEASUREMENT MODE CAN BE SWITCH TO TDS SALINITY AND RESISTIVITY.

DO MEASUREMENT HAS ATC, AUTOMATIC SALINITY COMPENSATION AND AUTOMATIC AIR PRESSURE COMPENSATION.

10 KINDS OF COMMON ION CAN BE SELECTED IN THE ION CONCENTRATION MEASURING MODE. USER CAN SELF DEFINE OTHER IONS.

CAN SWITCH 4 KINDS OF CONCENTRATION UNIT pX, mol / L, mg/L and ppm.

INSTRUMENT RESOLUTION pH 0.001, CONDUCTIVITY 0.5, ISE 0.01.

SALIENT FEATURES:

- SCT METER MEETS WITH THE REQUIREMENT OF INTERNATIONAL GLP STANDARDS. ITS FEATURES UP TO AUTOMATIC CALIBRATION, AUTOMATIC TEMPERATURE COMPENSATION, DATA STORAGE, TIMING MEASUREMENT, CLOCK DISPLAY, RS-232 OUTPUT, FUNCTION SETTING AND SELF-DIAGNOSE ETC.
- THERE ARE THREE DIFFERENT MEASUREMENT MODES: STABLE DISPLAY MODE; TIME MEASUREMENT MODE; CONTINUOUS MEASUREMENT MODE.
- AUTOMATICALLY RECOGNIZE 12 KINDS OF pH BUFFER SOLUTION. USER CAN CHOOSE ANYONE FROM FOUR SERIES OF STANDARD BUFFER SOLUTIONS: EUROPE & USA SERIES & NIST SERIES
- HIGH PURIFIED WATER AND AMMONIA ADDED PURIFIED WATER pH MEASURING MODE CAN BE SET UP.
- WITH EH REDOX POTENTIAL MEASURING MODE CAN DIRECTLY DISPLAY ORP VALUE WHICH AGAINST STANDARD POTENTIAL OF HYDROGEN ELECTRODE.
- AUTOMATICALLY RECOGNIZE 7 KINDS OF CONDUCTIVITY STANDARD SOLUTION. USER CAN CHOOSE ANYONE FROM TWO SERIES OF SOLUTIONS: EUROPE & USA SERIES.



- ADOPT ADVANCED AND ORIGINAL CONDUCTIVITY MEASUREMENT TECHNOLOGY, USE 1 PC OF CONDUCTIVITY ELECTRODE (K=1), IT CAN MEET MEASURING ACCURACY REQUIREMENT FOR RANGE WITHIN 0.5MS/CM ~ 200MS/CM BY USING ONLY ONE-POINT CALIBRATION.
- AUTOMATICALLY SELECT CONDUCTIVITY MEASUREMENT RANGE, WHEN MEASURING HIGH PURE WATER, EQUIPMENT AUTOMATICALLY ENTER INTO TEMPERATURE COMPENSATION OF NONLINEAR MODE.
- EQUIPS NEW TYPE OF DO ELECTRODE WHICH HAS FUNCTION OF AUTOMATIC TEMPERATURE COMPENSATION AND AUTOMATIC SALINITY COMPENSATION AS WELL AS AUTOMATIC AIR PRESSURE COMPENSATION INSIDE METER TO MAKE DO MEASURING MODE HAS TEMPERATURE, AIR PRESSURE AND SALINITY AUTOMATIC COMPENSATION, EASY TO USE, ACCURATE TO MEASURE.
- POLAROGRAPH TYPE DO ELECTRODE HAS SPECIAL ELECTRODE CALIBRATION CAP. ONLY NEEDS 3 TO 5 MINUTES FOR ELECTRODE POLARIZATION. ELECTRODE ADOPTS COMBINATION DIAPHRAGM CAP WHICH VERY CONVENIENT TO USE. EACH DO ELECTRODE EQUIPS WITH THREE SPARE DIAPHRAGMS CAPS.
- THERE ARE 10 KINDS OF COMMON IONS CAN BE SELECTED IN THE ION CONCENTRATION MEASURING MODE, USER ALSO CAN SELF-DEFINE OTHER IONS.
- CAN SWITCH 4 KINDS OF CONCENTRATION UNIT : PX, MOL/L, MG/L AND PPM
- EACH METER IS CODED WITH UNIQUE SERIAL NUMBER.
- DUSTPROOF AND WATERPROOF METER MEETS IP54 STANDARDS. ALL SOCKETS ARE SEAL PROTECTED BY THE SILICA GEL CAPS.
- SCT BENCHTOP METER MEETS : ISO9001 & CE STANDARDS.

TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.003.10	
MODEL NO	SCT-BEN-ISE-2	
PARAMETER	PRODUCT NAME	SPECIFICATIONS
pH	MEASURING RANGE	-1.999 ~ 19.999 pH
	RESOLUTION	0.1/0.01/0.001 pH
	ACCURACY	±0.002 pH
	INPUT CURRENT	≤1×10 ⁻¹² A
	INPUT IMPEDANCE	≥3×10 ¹² Ω
	STABILITY	±0.002 pH/3H
mV	TEMP. COMPENSATION RANGE	(0 TO 100) (AUTOMATIC OR MANUAL)
	MEASURING RANGE(mV/ORP/EH)	-1999.9mV ~ 0 ~ 1999.9mV
	RESOLUTION	0.1mV
	ACCURACY	±0.03% FS
ION CONCENTRATION	MEASURING RANGE	0.00 ~ 14.00 PX
	DISPLAY UNIT	PX MOL/L MG/L PPM
	ACCURACY	±0.5 %
	TEMP. COMPENSATION RANGE	0 TO 60 AUTOMATIC OR MANUAL
CONDUCTIVITY	MEASURING RANGE	CONDUCTIVITY 0.00~20.00 μS/CM 20.0~200.0 μS/CM
		200~2000 μS/CM 2.00~20.00 mS/CM
		20.0~200.0 mS/CM 200~2000 mS/CM K=10
		RESISTIVITY 0 ~ 100 MΩ·CM
		TDS: 0 ~ 100 G/L
		SALINITY 0 ~ 100 PPT
	RESOLUTION	0.01/0.1/1MS/CM 0.01/0.1/1 MS/CM
	ACCURACY	±0.5% FS
	TEMP. COMPENSATION RANGE	0 ~ 50 AUTOMATIC
DISSOLVED OXYGEN	ELECTRODE CONSTANT	0.1 / 0.5 / 1 / 5 / 10 / 50 / 100 CM-1
	REFERENCE TEMPERATURE	25 20 AND 18
	MEASURING RANGE	0 ~ 40.00 MG/L (PPM) 0 ~ 200.0 %
	RESOLUTION	0.1/0.01 MG/L (PPM) 1/0.1 %
	ACCURACY	±0.10 MG/L
	RESPONSE TIME	≤30 S 25, 90% RESPONSE
	RESIDUAL CURRENT	≤0.1 MG/L
	TEMP. COMPENSATION RANGE	0 ~ 45 AUTOMATIC
	SALINITY COMPENSATION RANGE	0 ~ 45 PPT AUTOMATIC
	AIR PRESSURE COMPENSATION	80 ~ 105 KPA AUTOMATIC
TEMPERATURE	AUTOMATIC CALIBRATION	AIR SATURATED BY WATER; WATER SATURATED BY AIR
	ELECTRODE TYPE	POLAROGRAPH TYPE
	MEASURING RANGE	-10~ 110
	RESOLUTION	0.1
OTHER TECHNICAL PARAMETERS:	ACCURACY	5~ 60 RANGE ±0.4 OTHER RANGE ±0.8
	DATA STORAGE	300 GROUPS
	STORAGE CONTENT	MEASURING VALUE SERIES NUMBER, MEASURING VALUE, TEMPERATURE, ATC OR MTC STATE, MEASURING DATE AND TIME
	POWER	DC9V/300MA
	COMMUNICATION CONNECTOR	RS232
	SIZE AND WEIGHT	160 × 190 × 70MM/880G
	QUALITY AND SAFETY CERTIFICATION	ISO9001:2008, CE.

WORKING CONDITION	ENVIRONMENT TEMPERATURE	5 ~ 35 0.01GRADE 15 ~ 30 0.001GRADE
	ENVIRONMENTAL HUMIDITY	≤75%
	IP RATING	IP54 DUSTPROOF AND WATERPROOF

ORDERING INFORMATION:

SCT-108.003.10	SCT-BEN-ISE-2	SCT BEN-ISE-2 pH/mV/ISE/COND/DO METER IS SUPPLIED WITH FLEXIBLE ELECTRODE HOLDER, INTELLIGENT STIRRER, pH/ATC THREE-IN-ONE COMBINATION ELECTRODE, GLASS pH COMBINATION ELECTRODE, TEMPERATURE ELECTRODE, CONDUCTIVITY ELECTRODE, DO ELECTRODE, DOUBLE SALT BRIDGE REFERENCE ELECTRODE, pH STANDARD BUFFER SOLUTION 4.00, 7.00, 10.01 (50 ML), 1413μS/CM CONDUCTIVITY STANDARD SOLUTION, 9V POWER ADAPTER, 6V POWER ADAPTER, MEMBRANE CAP, DO ELECTRODE INNER SOLUTION, CATHODE POLISHING PAPER STIRRING BEAD, AA BATTERY, RS-232 COMMUNICATION CABLE, COMMUNICATION SOFTWARE DISK, OPERATION MANUAL & PACKING LIST
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OPTIONAL ACCESSORIES: (SELECT ONLY IF REQUIRED)

ACCESSORY	PRODUCT NO.	DESCRIPTION
pH COMBINATION ELECTRODE	SCT-108.003.A5	PLASTIC THREE-IN-ONE COMBINATION pH ELECTRODE, SIMULTANEOUS MEASUREMENT OF pH AND TEMPERATURE, AUTOMATIC TEMPERATURE COMPENSATION, BNC + RCA PLUGS.
	SCT-108.003.A6	GLASS COMBINATION pH ELECTRODE FOR PRECISE pH TEST, USED TO MEASURE COMPLEX SAMPLES, BNC PLUG.
ION ELECTRODE	SCT-108.003.E1	SODIUM ION ELECTRODE USED TO TEST THE CONCENTRATION OF SODIUM ION BNC PLUG
	SCT-108.003.E2	CALCIUM COMPOSITE ELECTRODE USED FOR TESTING CALCIUM CONCENTRATION BNC PLUG
	SCT-108.003.E3	CALCIUM ELECTRODE PROBE, USED WITH SCT-108.003.E2 ELECTRODE
	SCT-108.003.E4	FLUORIDE ELECTRODE USED TO TEST FLUORIDE CONCENTRATION BNC PLUG
	SCT-108.003.E5	CHLORIDE ELECTRODE USED TO TEST THE CONCENTRATION OF CHLORIDE ION BNC PLUG
	SCT-108.003.E6	BROMINE ELECTRODE USED TO TEST THE CONCENTRATION OF BROMINE ION BNC PLUG
	SCT-108.003.E7	IODIDE ELECTRODE USED TO TEST THE CONCENTRATION OF IODIDE ION BNC PLUG
REFERENCE ELECTRODE	SCT-108.003.F1	REFERENCE ELECTRODE, SUITABLE FOR ROUTINE MEASUREMENTS, BANANA PLUGS.
	SCT-108.003.F2	REFERENCE ELECTRODE, EQUIPPED WITH THE 7801 SODIUM ION ELECTRODE, BANANA PLUGS
	SCT-108.003.F3	REFERENCE ELECTRODE, THE FIRST AND SECOND SALT BRIDGE SOLUTION CAN BE CHOSEN, FOR ALL MEASUREMENT OCCASIONS, BANANA PLUGS.
CONDUCTIVITY ELECTRODE	SCT-108.003.C2	GLASS CONDUCTIVITY ELECTRODE, K=1.0 CM-1 AUTOMATIC TEMPERATURE COMPENSATION, PRECISION LABORATORY TEST FOR CONDUCTIVITY, 4-PIN PLUG.
DO ELECTRODE	SCT-108.002.D1	DO ELECTRODE, POLAROGRAPHIC-TYPE DO ELECTRODE FOR LABORATORY AND FIELD USING, 8-PIN PLUG
DO ELECTRODE ATTACHMENT	SCT-108.003.D2	DO ELECTRODE MEMBRANE CAP, COMBINED MEMBRANE CAP DEDICATED TO THE DO ELECTRODE, SIZE: 3 / GROUP
	SCT-108.003.IA	DO ELECTRODE ELECTROLYTE, ADDED ELECTROLYTE, DEDICATED TO THE DO ELECTRODE, TECHNICAL SPECIFICATIONS: 30ML/BOTTLE
	SCT-108.003.IB	CATHODE POLISHING PAPER POLISHING PAPER, DEDICATED TO CLEAN DO ELECTRODE CATHODE, SIZE: 2 / GROUP.
ORP COMPOSITE ELECTRODE	SCT-108.003.B1	PLASTIC ORP COMBINATION ELECTRODE ORP MEASUREMENT FOR CONVENTIONAL, WIDE RANGE OF USES, BNC PLUG
TEMPERATURE ELECTRODE	SCT-108.002.D1	TEMPERATURE ELECTRODE STAINLESS STEEL HOUSING, FAST RESPONSE, HIGH ACCURACY, RCA PLUGS
pH BUFFER	SCT-108.002.AA	pH4.00 BUFFER 500 ML
	SCT-108.002.AB	pH4.00 BUFFER 250 ML
	SCT-108.002.AG	pH7.00 BUFFER 500 ML
	SCT-108.002.AH	pH7.00 BUFFER 250 ML
	SCT-108.002.AM	pH10.01 BUFFER 500 ML
	SCT-108.002.AN	pH10.01 BUFFER 250 ML
CONDUCTIVITY CALIBRATION SOLUTION	SCT-108.002.BA	84 μS/CM CONDUCTIVITY CALIBRATION SOLUTION 500 ML
	SCT-108.002.BB	84 μS/CM CONDUCTIVITY CALIBRATION SOLUTION 250 ML
	SCT-108.002.BD	1413 μS/CM CONDUCTIVITY CALIBRATION SOLUTION 500 ML
	SCT-108.002.BE	1413 μS/CM CONDUCTIVITY CALIBRATION SOLUTION 250 ML
	SCT-108.002.BG	12.88 mS/CM CONDUCTIVITY CALIBRATION SOLUTION 500 ML
	SCT-108.002.BH	12.88 mS/CM CONDUCTIVITY CALIBRATION SOLUTION 250 ML
ELECTRODE STORAGE SOLUTION	SCT-108.002.CA	pH (ORP) COMBINATION ELECTRODE STORAGE SOLUTION 500 ML
	SCT-108.002.CB	pH (ORP) COMBINATION ELECTRODE STORAGE SOLUTION 250 ML
ORP STANDARD SOLUTION	SCT-108.002.DA	222 mV ORP STANDARD SOLUTION 250 ML
	SCT-108.002.DB	222 mV ORP STANDARD SOLUTION 100 ML
ELECTRODE HOLDER	SCT-108.002.NA	FLEXIBLE ELECTRODE HOLDER, NICE APPEARANCE OF THE ARC-TYPE BRACKET, YOU CAN TURN 360 DEGREES AND VERTICAL LIFT
	SCT-108.002.NB	STIRRING TYPE ELECTRODE HOLDER, THE ELECTRODE HOLDER AND MAGNETIC STIRRER COMBINATION OF NEW PRODUCTS.
	SCT-108.002.NC	SIMPLE ELECTRODE HOLDER

SCT BASIC LAB CONDUCTIVITY METER

SCT BASIC BENCHTOP CONDUCTIVITY METER FOR NORMAL CONDUCTIVITY MEASUREMENT.
AUTOMATIC CALIBRATION AND AUTOMATIC TEMPERATURE COMPENSATION.
INSTRUMENT RESOLUTION 1.0

SALIENT FEATURES:

- SCT BENCHTOP METER IS DESIGNED TO MEASURE CONDUCTIVITY AND TEMPERATURE.
- WITH BUILT-IN MICROPROCESSOR CHIP, IT HAS AUTOMATIC CALIBRATION, AUTOMATIC TEMPERATURE COMPENSATION, DATA STORAGE, AND FEATURE SETTING ETC.
- ADOPT ADVANCED AND ORIGINAL CONDUCTIVITY MEASUREMENT TECHNOLOGY, USE 1 PC OF CONDUCTIVITY ELECTRODE (K=1), IT CAN MEET MEASURING ACCURACY REQUIREMENT FOR RANGE WITHIN 0.5MS/CM ~ 200MS/CM BY USING ONLY ONE-POINT CALIBRATION.
- AUTOMATICALLY RECOGNIZE 8 KINDS OF CONDUCTIVITY STANDARD SOLUTION. USER CAN CHOOSE ANYONE FROM TWO SERIES OF SOLUTIONS: EUROPE & USA SERIES.
- EQUIPPED WITH CONDUCTIVITY/ATC PLASTIC ELECTRODE. FOR QUICK AND PRECISE RESULTS.
- SCT BENCHTOP METER MEETS : ISO9001 & CE STANDARDS.



TECHNICAL SPECIFICATIONS :

PRODUCT NO.	SCT-108.003.11	
MODEL NO	SCT-BEN-CON-1	
PARAMETER	PRODUCT NAME	SPECIFICATIONS
CONDUCTIVITY	MEASURING RANGE	CONDUCTIVITY: 0 ~199.9 μ S/CM 200~1999 μ S/CM 2.00~19.99 mS/CM 20.0~199.9 mS/CM
	RESOLUTION	0.1/ μ S/CM 0.01/0.1 mS/CM
	ACCURACY	\pm 1.0% FS
	TEMP. COMPENSATION RANGE	0 ~ 50 (AUTOMATIC OR MANUAL)
	ELECTRODE CONSTANT	0.1 / 1 / 10 CM-1
OTHER TECHNICAL SPECIFICATIONS	DATA STORAGE	50GROUPS
	STORAGE CONTENT	MEASURING VALUE SERIAL NUMBER, MEASURING VALUE, AND TEMPERATURE
	POWER	DC9V
	SIZE AND WEIGHT	(160×190×70)MM/750G(METER)
	QUALITY AND SAFETY CERTIFICATION	ISO9001:2008, CE.
WORKING CONDITION	ENVIRONMENT TEMPERATURE	5 ~ 35 0.01
	ENVIRONMENTAL HUMIDITY	\leq 85%

ORDERING INFORMATION:

SCT-108.003.11	SCT-BEN-CON-1	SCT BEN-CON-1 BASIC CONDUCTIVITY BENCHTOP METER IS SUPPLIED WITH PLASTIC CONDUCTIVITY ELECTRODE, 1413 μ S/CM CONDUCTIVITY STANDARD SOLUTION , 9V POWER ADAPTER, ELECTRODE HOLDER & OPERATION MANUAL
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* TEMP. ELECTRODE / ACCESSORIES NOT INCLUDED, TO BE ORDERED SEPARATELY.

OPTIONAL ACCESSORIES: (SELECT ONLY IF REQUIRED)

ACCESSORY	PRODUCT NO.	DESCRIPTION
CONDUCTIVITY ELECTRODE	SCT-108.003.C2	GLASS CONDUCTIVITY ELECTRODE, K=1.0 CM-1 AUTOMATIC TEMPERATURE COMPENSATION, FOR LABORATORY AND PRECISION CONDUCTIVITY TESTING , 4-PIN PLUG.
	SCT-108.003.C3	PLASTIC CONDUCTIVITY ELECTRODE, K=1.0 CM-1,AUTOMATIC TEMPERATURE COMPENSATION FOR LABORATORY AND FIELD TESTING, 4-PIN PLUG
TEMP. ELECTRODE	SCT-108.002.D1	TEMPERATURE ELECTRODE, STAINLESS STEEL HOUSING, FAST RESPONSE, HIGH ACCURACY, RCA PLUGS
CONDUCTIVITY CALIBRATION SOLUTION	SCT-108.002.BA	84 MS/CM CONDUCTIVITY CALIBRATION SOLUTION 500 ML
	SCT-108.002.BB	84 MS/CM CONDUCTIVITY CALIBRATION SOLUTION 250 ML
	SCT-108.002.BD	1413 MS/CM CONDUCTIVITY CALIBRATION SOLUTION 500 ML
	SCT-108.002.BE	1413 MS/CM CONDUCTIVITY CALIBRATION SOLUTION 250 ML
	SCT-108.002.BG	12.88 mS/CM CONDUCTIVITY CALIBRATION SOLUTION 500 ML
	SCT-108.002.BH	12.88 mS/CM CONDUCTIVITY CALIBRATION SOLUTION 250 ML
ELECTRODE HOLDER	SCT-108.002.NA	FLEXIBLE ELECTRODE HOLDER, NICE APPEARANCE OF THE ARC-TYPE BRACKET, YOU CAN TURN 360 DEGREES AND VERTICAL LIFT
	SCT-108.002.NB	STIRRING TYPE ELECTRODE HOLDER, THE ELECTRODE HOLDER AND MAGNETIC STIRRER COMBINATION OF NEW PRODUCTS.
	SCT-108.002.NC	SIMPLE ELECTRODE HOLDER

SCT (GLP) GOOD LABORATORY PRACTICE BENCHTOP CONDUCTIVITY / TDS / SALINITY / RESISTIVITY METER

SCT GLP CONDUCTIVITY BENCHTOP METER SUITABLE FOR NORMAL CONDUCTIVITY MEASUREMENT.

ADVANCED AND ORIGINAL CONDUCTIVITY MEASUREMENT TECHNOLOGY WIDE MEASUREMENT RANGE, HIGH ACCURACY, CONDUCTIVITY MEASUREMENT MODE CAN BE SWITCH TO TDS, SALINITY AND RESISTIVITY.

INSTRUMENT RESOLUTION 1.0.

SALIENT FEATURES:

- SCT BENCHTOP METER IS DESIGNED TO MEASURE CONDUCTIVITY AND TEMPERATURE.
- SCT METER MEETS WITH THE REQUIREMENT OF INTERNATIONAL GLP STANDARDS. ITS FEATURES UP TO AUTOMATIC CALIBRATION, AUTOMATIC TEMPERATURE COMPENSATION, DATA STORAGE, TIMING MEASUREMENT, CLOCK DISPLAY, RS-232 OUTPUT, FUNCTION SETTING AND SELF-DIAGNOSE ETC.
- THREE DIFFERENT MEASUREMENT MODES: STABLE DISPLAY MODE; TIME MEASUREMENT MODE; CONTINUOUS MEASUREMENT MODE.
- EQUIPS CONDUCTIVITY/ATC ELECTRODE. ITS MEASUREMENT RESULT IS FAST AND PRECISE.
- ADOPT ADVANCED AND ORIGINAL CONDUCTIVITY MEASUREMENT TECHNOLOGY, USE 1 PC OF CONDUCTIVITY ELECTRODE (K=1), IT CAN MEET MEASURING ACCURACY REQUIREMENT FOR RANGE WITHIN 0.5MS/CM ~ 200MS/CM BY USING ONLY ONE-POINT CALIBRATION.
- ABILITY TO SWITCH AMONG CONDUCTIVITY, TDS, SALINITY AND RESISTIVITY. MULTINOMIAL CALCULATION FOR TDS AND SALINITY TO ENSURE THE CONVERSION PRECISION OF THE FULL SCALE.
- EACH METER IS CODED WITH UNIQUE SERIAL NUMBER.
- DUSTPROOF AND WATERPROOF METER MEETS IP54 STANDARDS. ALL SOCKETS ARE SEAL PROTECTED BY THE SILICA GEL CAPS.
- SCT BENCHTOP METER MEETS : ISO9001 & CE STANDARDS.



TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.003.12	
MODEL NO	SCT-BEN-CON-2	
PARAMETER	PRODUCT NAME	SPECIFICATIONS
CONDUCTIVITY	MEASURING RANGE	CONDUCTIVITY 0.00~20.00 μ S/CM 20.0~200.0 μ S/CM
		200~2000 μ S/CM 2.00~20.00 mS/CM
		20.0~200.0 mS/CM
		RESISTIVITY 0 ~ 100 MQ·CM
		TDS: 0 ~ 100 G/L
		SALINITY 0 ~ 100 PPT
	RESOLUTION	0.01/0.1/ μ S/CM 0.01/0.1/1 mS/CM
	ACCURACY	\pm 0.5% FS
TEMPERATURE	TEMP. COMPENSATION RANGE	0 ~ 50 AUTOMATIC
	ELECTRODE CONSTANT	0.1 / 0.5 / 1 / 5 / 10 / 50 / 100 CM-1
	REFERENCE TEMPERATURE	25 20 AND 18
	MEASURING RANGE	-10 ~ 110
OTHER TECHNICAL PARAMETERS:	RESOLUTION	0.1
	ACCURACY	5~ 60 RANGE \pm 0.4 OTHER RANGE \pm 0.8
	DATA STORAGE	300 GROUPS
	STORAGE CONTENT	MEASURING VALUE SERIES NUMBER, MEASURING VALUE, TEMPERATURE, ATC OR MTC STATE, MEASURING DATE AND TIME
	POWER	DC9V/300MA
	COMMUNICATION CONNECTOR	RS232
WORKING CONDITION	SIZE AND WEIGHT	160 \times 190 \times 70MM/880G
	QUALITY AND SAFETY CERTIFICATION	ISO9001:2008, CE
	ENVIRONMENT TEMPERATURE	5 ~ 35 0.01GRADE 15 ~ 30 0.001GRADE
	ENVIRONMENTAL HUMIDITY	\leq 75%
	IP RATING	IP54 DUSTPROOF AND WATERPROOF

* TEMP. ELECTRODE / ACCESSORIES NOT INCLUDED, TO BE ORDERED SEPARATELY.

ORDERING INFORMATION:

SCT-108.003.12	SCT-BEN-CON-2	SCT GLP BENCHTOP CONDUCTIVITY METER IS SUPPLIED WITH FLEXIBLE ELECTRODE HOLDER WITH PLASTIC CONDUCTIVITY ELECTRODE, 1413 μ S/CM CONDUCTIVITY STANDARD SOLUTION, 9V POWER ADAPTER, RS-232 COMMUNICATION CABLE, COMMUNICATION SOFTWARE CD, OPERATION MANUAL & PACKING LIST
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OPTIONAL ACCESSORIES: (SELECT ONLY IF REQUIRED)

ACCESSORY	PRODUCT NO.	DESCRIPTION
CONDUCTIVITY ELECTRODE	SCT-108.003.C3	PLASTIC CONDUCTIVITY ELECTRODE, K=1.0 CM-1 AUTOMATIC TEMPERATURE COMPENSATION FOR LABORATORY AND FIELD TESTING, 4-PIN PLUG.
TEMPERATURE ELECTRODE	SCT-108.002.D1	TEMPERATURE ELECTRODE, STAINLESS STEEL HOUSING, FAST RESPONSE, HIGH ACCURACY, RCA PLUGS
CONDUCTIVITY CALIBRATION SOLUTION	SCT-108.002.BA	84 μ S/CM CONDUCTIVITY CALIBRATION SOLUTION 500 ML
	SCT-108.002.BB	84 μ S/CM CONDUCTIVITY CALIBRATION SOLUTION 250 ML
	SCT-108.002.BD	1413 μ S/CM CONDUCTIVITY CALIBRATION SOLUTION 500 ML
	SCT-108.002.BE	1413 μ S/CM CONDUCTIVITY CALIBRATION SOLUTION 250 ML
	SCT-108.002.BG	12.88 mS/CM CONDUCTIVITY CALIBRATION SOLUTION 500 ML
	SCT-108.002.BH	12.88 mS/CM CONDUCTIVITY CALIBRATION SOLUTION 250 ML
ELECTRODE HOLDER	SCT-108.002.NA	FLEXIBLE ELECTRODE HOLDER, NICE APPEARANCE OF THE ARC-TYPE BRACKET, YOU CAN TURN 360 DEGREES AND VERTICAL LIFT
	SCT-108.002.NB	STIRRING TYPE ELECTRODE HOLDER, THE ELECTRODE HOLDER AND MAGNETIC STIRRER COMBINATION OF NEW PRODUCTS.
	SCT-108.002.NC	SIMPLE ELECTRODE HOLDER

SCT PRECISION BENCHTOP CONDUCTIVITY / TDS / SALINITY / RESISTIVITY METER

SCT PRECISION BENCHTOP CONDUCTIVITY METER FOR PRECISION CONDUCTIVITY MEASUREMENT OF RESEARCH AND QUALITY CONTROL.

WITH WIDE MEASUREMENT RANGE, HIGH ACCURACY CONDUCTIVITY MEASUREMENT MODE CAN BE SWITCH TO TDS, SALINITY AND RESISTIVITY.

INSTRUMENT RESOLUTION 1.0

SALIENT FEATURES:

- SCT BENCH PRECISION CONDUCTIVITY METER, SUITABLE FOR HIGH PRECISION CONDUCTIVITY MEASUREMENT OF SCIENCE RESEARCH AND QUALITY CONTROL, WITH ACCURACY 0.5%.
- EQUIPS CONDUCTIVITY/ATC GLASS ELECTRODE. ITS MEASUREMENT RESULT IS FAST AND PRECISE. CAN CHOOSE 25°C, 20°C AND 18°C THREE KINDS OF BASIS TEMPERATURE.
- SCT METER MEETS WITH THE REQUIREMENT OF INTERNATIONAL GLP STANDARDS. ITS FEATURES UP TO AUTOMATIC CALIBRATION, AUTOMATIC TEMPERATURE COMPENSATION, DATA STORAGE, TIMING MEASUREMENT, CLOCK DISPLAY, RS-232 OUTPUT, FUNCTION SETTING AND SELF-DIAGNOSE ETC.
- THREE DIFFERENT MEASUREMENT MODES: STABLE DISPLAY MODE; TIME MEASUREMENT MODE; CONTINUOUS MEASUREMENT MODE.
- AUTOMATICALLY RECOGNIZE 7 KINDS OF CONDUCTIVITY STANDARD SOLUTION. USER CAN CHOOSE ANYONE FROM TWO SERIES OF SOLUTIONS: EUROPE & USA SERIES
- EQUIPPED CONDUCTIVITY/ATC ELECTRODE FOR QUICK AND PRECISE RESULTS.
- ADOPT ADVANCED AND ORIGINAL CONDUCTIVITY MEASUREMENT TECHNOLOGY, USE 1 PC OF CONDUCTIVITY ELECTRODE (K=1), IT CAN MEET MEASURING ACCURACY REQUIREMENT FOR RANGE WITHIN 0.5MS/CM ~ 200MS/CM BY USING ONLY ONE-POINT CALIBRATION.
- ABILITY TO SWITCH AMONG CONDUCTIVITY, TDS, SALINITY AND RESISTIVITY. MULTINOMIAL CALCULATION FOR TDS AND SALINITY TO ENSURE THE CONVERSION PRECISION OF THE FULL SCALE.
- CONDUCTIVITY MEASUREMENT MODE HAS THE FUNCTION OF NON-LINEAR TEMPERATURE COMPENSATION FOR HIGH PURITY WATER.
- EACH METER IS CODED WITH UNIQUE SERIAL NUMBER.
- DUSTPROOF AND WATERPROOF METER MEETS IP54 STANDARDS. ALL SOCKETS ARE SEAL PROTECTED BY THE SILICA GEL CAPS.
- SCT BENCHTOP METER MEETS : ISO9001 & CE STANDARDS.



TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.003.13	
MODEL NO	SCT-BEN-CON-2	
PARAMETER	PRODUCT NAME	SPECIFICATIONS
CONDUCTIVITY	MEASURING RANGE	CONDUCTIVITY 0.00~20.00 μ S/CM 20.0~200.0 μ S/CM
		200~2000 μ S/CM 2.00~20.00 mS/CM
		20.0~200.0 mS/CM 200~2000 mS/CM K=10
		RESISTIVITY 0 ~ 100 M Ω ·CM
		TDS: 0 ~ 100 G/L
	RESOLUTION	SALINITY 0 ~ 100 PPT
		0.01/0.1/1 μ S/CM 0.01/0.1/1 mS/CM
		ACCURACY \pm 0.5% FS
		TEMP. COMPENSATION RANGE 0 ~ 50 AUTOMATIC
	ELECTRODE CONSTANT	0.1 / 0.5 / 1 / 5 / 10 / 50 / 100 CM-1
	REFERENCE TEMPERATURE	25 20 AND 18

TEMPERATURE	MEASURING RANGE	-10 ~ 110°C
	RESOLUTION	0.1°C
	ACCURACY	5~ 60 RANGE ± 0.4 OTHER RANGE ± 0.8
OTHER TECHNICAL PARAMETERS:	DATA STORAGE	300 GROUPS
	STORAGE CONTENT	MEASURING VALUE SERIES NUMBER, MEASURING VALUE, TEMPERATURE, ATC OR MTC STATE, MEASURING DATE AND TIME
	POWER	DC9V/300MA
	COMMUNICATION CONNECTOR	RS232
	SIZE AND WEIGHT	160 × 190 × 70MM/880G
	QUALITY AND SAFETY CERTIFICATION	ISO9001:2008, CE.
WORKING CONDITION	ENVIRONMENT TEMPERATURE	5 ~ 35 0.01GRADE 15 ~ 30 0.001GRADE
	ENVIRONMENTAL HUMIDITY	≤75%
	IP RATING	IP54 DUSTPROOF AND WATERPROOF

ORDERING INFORMATION:

SCT-108.003.13	SCT-BEN-CON-3	SCT PEN-CON-3 PRECISION BENCHTOP CONDUCTIVITY METER IS SUPPLIED WITH FLEXIBLE ELECTRODE HOLDER, PLASTIC THREE-IN-ONE COMBINATION ELECTRODE, 1413 μ S/CM CONDUCTIVITY STANDARD SOLUTION (50 ML), 9V POWER ADAPTER RS-232 COMMUNICATION CABLE, COMMUNICATION SOFTWARE CD, OPERATION MANUAL & PACKING LIST
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* TEMP. ELECTRODE / ACCESSORIES NOT INCLUDED, TO BE ORDERED SEPARATELY.

OPTIONAL ACCESSORIES: (SELECT ONLY IF REQUIRED)

ACCESSORY	PRODUCT NO.	DESCRIPTION
CONDUCTIVITY ELECTRODE	SCT-108.003.C3	PLASTIC CONDUCTIVITY ELECTRODE, K=1.0 CM-1 AUTOMATIC TEMPERATURE COMPENSATION FOR LABORATORY AND FIELD TESTING, 4-PIN PLUG.
TEMPERATURE ELECTRODE	SCT-108.002.D1	TEMPERATURE ELECTRODE, STAINLESS STEEL HOUSING, FAST RESPONSE, HIGH ACCURACY, RCA PLUGS
CONDUCTIVITY CALIBRATION SOLUTION	SCT-108.002.BA	84 μ S/CM CONDUCTIVITY CALIBRATION SOLUTION 500 ML
	SCT-108.002.BB	84 μ S/CM CONDUCTIVITY CALIBRATION SOLUTION 250 ML
	SCT-108.002.BD	1413 μ S/CM CONDUCTIVITY CALIBRATION SOLUTION 500 ML
	SCT-108.002.BE	1413 μ S/CM CONDUCTIVITY CALIBRATION SOLUTION 250 ML
	SCT-108.002.BG	12.88 mS/CM CONDUCTIVITY CALIBRATION SOLUTION 500 ML
	SCT-108.002.BH	12.88 mS/CM CONDUCTIVITY CALIBRATION SOLUTION 250 ML
ELECTRODE HOLDER	SCT-108.002.NA	FLEXIBLE ELECTRODE HOLDER, NICE APPEARANCE OF THE ARC-TYPE BRACKET, YOU CAN TURN 360 DEGREES AND VERTICAL LIFT
	SCT-108.002.NB	STIRRING TYPE ELECTRODE HOLDER, THE ELECTRODE HOLDER AND MAGNETIC STIRRER COMBINATION OF NEW PRODUCTS.
	SCT-108.002.NC	SIMPLE ELECTRODE HOLDER

SCT PRECISION BENCHTOP CONDUCTIVITY / TDS / SALINITY / RESISTIVITY METER / DISSOLVED OXYGEN METER

SCT PRECISION CONDUCTIVITY DO METER FOR HIGH PRECISION MEASUREMENT OF THE CONDUCTIVITY AND DISSOLVED OXYGEN IN LABORATORY.

SUITABLE FOR BIO-TECHNOLOGY, AQUA CULTURE, POWER PLANT AND ENVIRONMENTAL PROTECTION INDUSTRIES.

SALIENT FEATURES:

- SCT METER MEETS WITH THE REQUIREMENT OF INTERNATIONAL GLP STANDARDS. ITS FEATURES UP TO AUTOMATIC CALIBRATION, AUTOMATIC TEMPERATURE COMPENSATION, DATA STORAGE, TIMING MEASUREMENT, CLOCK DISPLAY, RS-232 OUTPUT, FUNCTION SETTING AND SELF-DIAGNOSE ETC.
- THREE DIFFERENT MEASUREMENT MODES: STABLE DISPLAY MODE; TIME MEASUREMENT MODE; CONTINUOUS MEASUREMENT MODE.
- AUTOMATICALLY RECOGNIZE 7 KINDS OF CONDUCTIVITY STANDARD SOLUTION. USER CAN CHOOSE ANYONE FROM TWO SERIES OF SOLUTIONS: EUROPE & USA SERIES.
- ADOPT ADVANCED AND ORIGINAL CONDUCTIVITY MEASUREMENT TECHNOLOGY, USE 1 PC OF CONDUCTIVITY ELECTRODE (K=1), IT CAN MEET MEASURING ACCURACY REQUIREMENT FOR RANGE WITHIN 0.5MS/CM ~ 200MS/CM BY USING ONLY ONE-POINT CALIBRATION.
- ABILITY TO SWITCH AMONG CONDUCTIVITY, TDS, SALINITY AND RESISTIVITY. MULTINOMIAL CALCULATION FOR TDS AND SALINITY TO ENSURE THE CONVERSION PRECISION OF THE FULL SCALE.
- CONDUCTIVITY MEASUREMENT MODE HAS THE FUNCTION OF NON-LINEAR TEMPERATURE COMPENSATION FOR HIGH PURITY WATER.
- THE NEW TYPE OF DO ELECTRODE WHICH HAS FUNCTION OF AUTOMATIC TEMPERATURE COMPENSATION AND AUTOMATIC SALINITY COMPENSATION AS WELL AS AUTOMATIC AIR PRESSURE COMPENSATION INSIDE METER TO MAKE DO MEASURING MODE HAS TEMPERATURE, AIR PRESSURE AND SALINITY AUTOMATIC COMPENSATION, EASY TO USE, ACCURATE TO MEASURE.
- POLAROGRAPH TYPE DO ELECTRODE HAS SPECIAL ELECTRODE CALIBRATION CAP. ONLY NEEDS 3 TO 5 MINUTES FOR ELECTRODE POLARIZATION. ELECTRODE ADOPTS COMBINATION DIAPHRAGM CAP WHICH VERY CONVENIENT TO USE. EACH DO ELECTRODE EQUIPS WITH THREE SPARE DIAPHRAGMS CAPS.
- EACH METER IS CODED WITH UNIQUE SERIAL NUMBER.
- DUSTPROOF AND WATERPROOF METER MEETS IP54 STANDARDS. ALL SOCKETS ARE SEAL PROTECTED BY THE SILICA GEL CAPS.
- SCT BENCHTOP METER MEETS : ISO9001 & CE STANDARDS.



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TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.003.14	
MODEL NO.	SCT-BEN-CON-4	
PARAMETER	PRODUCT NAME	SPECIFICATIONS
CONDUCTIVITY	MEASURING RANGE	CONDUCTIVITY 0.00~20.00 μ S/CM 20.0~200.0 μ S/CM
		200~2000 μ S/CM 2.00~20.00 mS/CM
		20.0~200.0 mS/CM 200~2000 mS/CM K=10
		RESISTIVITY 0 ~ 100 M Ω ·CM
		TDS: 0 ~ 100 G/L
		SALINITY 0 ~ 100 PPT
	RESOLUTION	0.01/0.1/ μ S/CM 0.01/0.1/1 mS/CM
	ACCURACY	±0.5% FS
DISSOLVED OXYGEN	TEMP. COMPENSATION RANGE	0 ~ 50 AUTOMATIC
	ELECTRODE CONSTANT	0.1 / 0.5 / 1 / 5 / 10 / 50 / 100 CM-1
	REFERENCE TEMPERATURE	25 20 AND 18
	MEASURING RANGE	0 ~ 40.00 MG/L(PPM) 0 ~ 200.0 %
	RESOLUTION	0.1/0.01 MG/L(PPM) 1/0.1 %
	ACCURACY	±0.10 MG/L
	RESPONSE TIME	≤30 S 25, 90% RESPONSE
	RESIDUAL CURRENT	≤0.1 MG/L
TEMPERATURE	TEMP. COMPENSATION RANGE	0 ~ 45 AUTOMATIC
	SALINITY COMPENSATION RANGE	0 ~ 45 PPT AUTOMATIC
	AIR PRESSURE COMPENSATION	80 ~ 105 KPA AUTOMATIC
OTHER TECHNICAL PARAMETERS:	AUTOMATIC CALIBRATION	AIR SATURATED BY WATER; WATER SATURATED BY AIR
	ELECTRODE TYPE	POLAROGRAPH TYPE
	MEASURING RANGE	-10~ 110°C
	RESOLUTION	0.1°C
	ACCURACY	5~ 60 RANGE ±0.4 OTHER RANGE ±0.8
WORKING CONDITION	DATA STORAGE	300 GROUPS
	STORAGE CONTENT	MEASURING VALUE SERIES NUMBER, MEASURING VALUE, TEMPERATURE, ATC OR MTC STATE, MEASURING DATE AND TIME
	POWER	DC9V/300MA
	COMMUNICATION CONNECTOR	RS232
	SIZE AND WEIGHT	160 × 190 × 70MM/880G
	QUALITY AND SAFETY CERTIFICATION	ISO9001:2008, CE.
	ENVIRONMENT TEMPERATURE	5 ~ 35 0.01GRADE 15 ~ 30 0.001GRADE
	ENVIRONMENTAL HUMIDITY	≤75%
	IP RATING	IP54 DUSTPROOF AND WATERPROOF

ORDERING INFORMATION:

SCT-108.003.14	SCT-BEN-CON-4	SCT BEN-CON-4 PRECISION CONDUCTIVITY / DO BENCHTOP METER IS SUPPLIED WITH FLEXIBLE ELECTRODE HOLDER, INTELLIGENT STIRRER, CONDUCTIVITY ELECTRODE, DO ELECTRODE, 1413 μ S/CM CONDUCTIVITY STANDARD SOLUTION, 9V POWER ADAPTER, 6V POWER ADAPTER, MEMBRANE CAP , DO ELECTRODE INNER SOLUTION, CATHODE POLISH PAPER, B628 STIRRING BEAD, BATTERY, RS232 COMMUNICATION CABLE, COMMUNICATION SOFTWARE CD, OPERATION MANUAL & PACKING LIST.
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OPTIONAL ACCESSORIES: (SELECT ONLY IF REQUIRED)

ACCESSORY	PRODUCT NO.	DESCRIPTION
CONDUCTIVITY ELECTRODE	SCT-108.003.C2	GLASS CONDUCTIVITY ELECTRODE, K=1.0 CM-1 AUTOMATIC TEMPERATURE COMPENSATION, PRECISION LABORATORY TEST FOR CONDUCTIVITY, 4-PIN PLUG.
DO ELECTRODE	SCT-108.002.D1	DO ELECTRODE, POLAROGRAPHIC-TYPE DO ELECTRODE FOR LABORATORY AND FIELD USING, 8-PIN PLUG
DO ELECTRODE ATTACHMENT	SCT-108.003.D2	DO ELECTRODE MEMBRANE CAP, COMBINED MEMBRANE CAP DEDICATED TO THE DO ELECTRODE, SIZE: 3 / GROUP
	SCT-108.003.IA	DO ELECTRODE ELECTROLYTE, ADDED ELECTROLYTE, DEDICATED TO THE DO ELECTRODE, SPECIFICATIONS: 30ML/BOTTLE
	SCT-108.003.IB	CATHODE POLISHING PAPER, POLISHING PAPER, DEDICATED TO CLEAN DO ELECTRODE CATHODE, SIZE: 2 / GROUP.
TEMPERATURE ELECTRODE	SCT-108.002.D1	TEMPERATURE ELECTRODE, STAINLESS STEEL HOUSING, FAST RESPONSE, HIGH ACCURACY, RCA PLUGS
CONDUCTIVITY CALIBRATION SOLUTION	SCT-108.002.BA	84 μ S/CM CONDUCTIVITY CALIBRATION SOLUTION 500 ML
	SCT-108.002.BB	84 μ S/CM CONDUCTIVITY CALIBRATION SOLUTION 250 ML
	SCT-108.002.BD	1413 μ S/CM CONDUCTIVITY CALIBRATION SOLUTION 500 ML
	SCT-108.002.BE	1413 μ S/CM CONDUCTIVITY CALIBRATION SOLUTION 250 ML
	SCT-108.002.BG	12.88 mS/CM CONDUCTIVITY CALIBRATION SOLUTION 500 ML
	SCT-108.002.BH	12.88 mS/CM CONDUCTIVITY CALIBRATION SOLUTION 250 ML
ELECTRODE HOLDER	SCT-108.002.NA	FLEXIBLE ELECTRODE HOLDER, NICE APPEARANCE OF THE ARC-TYPE BRACKET, YOU CAN TURN 360 DEGREES AND VERTICAL LIFT
	SCT-108.002.NB	STIRRING TYPE ELECTRODE HOLDER, THE ELECTRODE HOLDER AND MAGNETIC STIRRER COMBINATION OF NEW PRODUCTS.
	SCT-108.002.NC	SIMPLE ELECTRODE HOLDER

SCT BENCHTOP DO (DISSOLVED OXYGEN) / TEMP METER

SCT BENCHTOP DO TEMPERATURE METER WITH AUTOMATIC SALINITY COMPENSATION AND AUTOMATIC AIR PRESSURE COMPENSATION.

EQUIPPED WITH INTELLIGENT STIRRER, FLEXIBLE ELECTRODE HOLDER AND OPERATION INSTRUCTION.

SALIENT FEATURES:

- SCT BENCHTOP METER IS DESIGNED TO MEASURE DISSOLVED OXYGEN AND TEMPERATURE.
- SCT DO MEASUREMENT HAS ATC, AUTOMATIC SALINITY COMPENSATION AND AUTOMATIC AIR PRESSURE COMPENSATION.
- THE NEW TYPE OF DO ELECTRODE WHICH HAS FUNCTION OF AUTOMATIC TEMPERATURE COMPENSATION AND AUTOMATIC SALINITY COMPENSATION AS WELL AS AUTOMATIC AIR PRESSURE COMPENSATION INSIDE METER TO MAKE DO MEASURING MODE HAS TEMPERATURE, AIR PRESSURE AND SALINITY AUTOMATIC COMPENSATION, EASY TO USE, ACCURATE TO MEASURE.
- SCT METER MEETS WITH THE REQUIREMENT OF INTERNATIONAL GLP STANDARDS. ITS FEATURES UP TO AUTOMATIC CALIBRATION, AUTOMATIC TEMPERATURE COMPENSATION, DATA STORAGE, TIMING MEASUREMENT, CLOCK DISPLAY, RS-232 OUTPUT, FUNCTION SETTING AND SELF-DIAGNOSE ETC.
- THREE DIFFERENT MEASUREMENT MODES: STABLE DISPLAY MODE; TIME MEASUREMENT MODE; CONTINUOUS MEASUREMENT MODE.
- ELECTRODE ADOPTS COMBINATION DIAPHRAGM CAP, ASSEMBLING SENSITIVE MEMBRANE WITH DIAPHRAGM CAP, WHICH VERY CONVENIENT TO REPLACE THE SENSITIVE MEMBRANE. THE USER ONLY NEEDS TO SCREW THE NEW MEMBRANE CAP ON THE ELECTRODE.
- EACH METER IS CODED WITH UNIQUE SERIAL NUMBER.
- DUSTPROOF AND WATERPROOF METER MEETS IP54 STANDARDS. ALL SOCKETS ARE SEAL PROTECTED BY THE SILICA GEL CAPS.
- SCT BENCHTOP METER MEETS : ISO9001 & CE STANDARDS.



TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.003.15	
MODEL NO	SCT-BEN-DO-1	
PARAMETER	PRODUCT NAME	BASIC FEATURES AND SPECIFICATIONS
DISSOLVED OXYGEN	MEASURING RANGE	0 ~ 40.00 MG/L (PPM) 0 ~ 200.0%
	RESOLUTION	0.1/0.01 MG/L (PPM) 1/0.1 %
	ACCURACY	±0.10 MG/L
	RESPONSE TIME	≤30 S 25 , 90% RESPONSE
	RESIDUAL CURRENT	≤0.1 MG/L
	TEMP. COMPENSATION RANGE	0 ~ 45 (AUTOMATIC)
	SALINITY COMPENSATION RANGE	0 ~ 45 (PPT AUTOMATIC)
	AIR PRESSURE COMPENSATION	80 ~ 105 (KPA AUTOMATIC)
	AUTOMATIC CALIBRATION	AIR SATURATED BY WATER; WATER SATURATED BY AIR
	ELECTRODE TYPE	POLAROGRAPH TYPE
TEMPERATURE	MEASURING RANGE	-10 ~ 110°C
	RESOLUTION	0.1°C
	ACCURACY	5~ 60 RANGE ±0.4 OTHER RANGE ±0.8
OTHER TECHNICAL PARAMETERS:	DATA STORAGE	300 GROUPS
	STORAGE CONTENT	MEASURING VALUE SERIES NUMBER, MEASURING VALUE, TEMPERATURE, ATC OR MTC STATE, MEASURING DATE AND TIME
	POWER	DC9V/300MA
	COMMUNICATION CONNECTOR	RS232
	SIZE AND WEIGHT	160 × 190 × 70MM/880G
	QUALITY AND SAFETY CERTIFICATION	ISO9001:2008, CE.
WORKING CONDITION	ENVIRONMENT TEMPERATURE	5 ~ 35 0.01GRADE 15 ~ 30 0.001GRADE
	ENVIRONMENTAL HUMIDITY	≤75%
	IP RATING	IP54 DUSTPROOF AND WATERPROOF

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ORDERING INFORMATION:

SCT-108.003.15	SCT-BEN-DO-1	SCTBEN-DO-1 BENCHTOP DO/TEMPERATURE METER IS SUPPLIED WITH FLEXIBLE ELECTRODE HOLDER, INTELLIGENT STIRRER, DO ELECTRODE, DO ELECTRODE INNER SOLUTION, MEMBRANE CAP (FOR DO ELECTRODE USE), CATHODE POLISHING PAPER, 9V POWER ADAPTER (FOR METER USE), 6V POWER ADAPTER (FOR STIRRER USE), RS-232 COMMUNICATION CABLE, COMMUNICATION SOFTWARE CD, STIRRING BEAD, AA BATTERY, OPERATION MANUAL & PACKING LIST.
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* TEMP. ELECTRODE / ACCESSORIES NOT INCLUDED, TO BE ORDERED SEPARATELY.

OPTIONAL ACCESSORIES: (SELECT ONLY IF REQUIRED)

ACCESSORY	PRODUCT NO.	DESCRIPTION
DO ELECTRODE	SCT-108.002.D1	DO ELECTRODE, POLAROGRAPHIC-TYPE DO ELECTRODE FOR LABORATORY AND FIELD USING, 8-PIN PLUG
DO ELECTRODE ATTACHMENT	SCT-108.003.D2	DO ELECTRODE MEMBRANE CAP, COMBINED MEMBRANE CAP DEDICATED TO THE DO ELECTRODE, SIZE: 3 / GROUP
	SCT-108.003.IA	DO ELECTRODE ELECTROLYTE, ADDED ELECTROLYTE, DEDICATED TO THE DO ELECTRODE, SPECIFICATIONS: 30ML/BOTTLE
	SCT-108.003.IB	CATHODE POLISHING PAPER, POLISHING PAPER, DEDICATED TO CLEAN DO ELECTRODE CATHODE, SIZE: 2 / GROUP.
TEMPERATURE ELECTRODE	SCT-108.002.D1	TEMPERATURE ELECTRODE, STAINLESS STEEL HOUSING, FAST RESPONSE, HIGH ACCURACY, RCA PLUGS
ELECTRODE HOLDER	SCT-108.002.NA	FLEXIBLE ELECTRODE HOLDER, NICE APPEARANCE OF THE ARC-TYPE BRACKET, YOU CAN TURN 360 DEGREES AND VERTICAL LIFT
	SCT-108.002.NB	STIRRING TYPE ELECTRODE HOLDER, THE ELECTRODE HOLDER AND MAGNETIC STIRRER COMBINATION OF NEW PRODUCTS.
	SCT-108.002.NC	SIMPLE ELECTRODE HOLDER

SCT BENCHTOP SODIUM ION METER

SCT BENCHTOP SODIUM ION METER IS SUITABLE FOR MEASURING LOW SODIUM ION CONCENTRATION IN THE WATER.

SALIENT FEATURES:

- SCT METER MEETS WITH THE REQUIREMENT OF INTERNATIONAL GLP STANDARDS. ITS FEATURES UP TO AUTOMATIC CALIBRATION, AUTOMATIC TEMPERATURE COMPENSATION, DATA STORAGE, TIMING MEASUREMENT, CLOCK DISPLAY, RS-232 OUTPUT, FUNCTION SETTING AND SELF-DIAGNOSE ETC.
- THREE DIFFERENT MEASUREMENT MODES: STABLE DISPLAY MODE; TIME MEASUREMENT MODE; CONTINUOUS MEASUREMENT MODE.
- SODIUM ELECTRODE RANGE.
- SODIUM ION ELECTRODE, REFERENCE ELECTRODE AND TEMPERATURE ELECTRODE.
- CAN SWITCH 4 KINDS OF CONCENTRATION UNIT : PX, MOL/L, MG/L AND PPM
- EACH METER IS CODED WITH UNIQUE SERIAL NUMBER.
- DUSTPROOF AND WATERPROOF METER MEETS IP54 STANDARDS. ALL SOCKETS ARE SEAL PROTECTED BY THE SILICA GEL CAPS.
- SCT BENCHTOP METER MEETS : ISO9001 & CE STANDARDS.



TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.003.16	
MODEL NO	SCT-BEN-SOD-1	
PARAMETER	PRODUCT NAME	BASIC FEATURES AND SPECIFICATIONS
SODIUM ION	MEASURING RANGE	0.00 TO 9.00 pNa
	UNITS	pNa, mol/L, mg/L AND ppm
	ACCURACY	Na+ +/- 0.01 pNa
TEMPERATURE	MEASURING RANGE	-10 TO 110°C
	UNITS	°C
	ACCURACY	+/- 0.5°C
mV	MEASURING RANGE	+/- 1999.9 mV
	UNITS	mV
	ACCURACY	+/- 0.1% FULL SCALE
OTHER TECHNICAL PARAMETERS	ATC- AUTOMATIC TEMPERATURE COMPENSATION	0 to 50°C
	STORAGE DATA	600 GROUPS
	COMMUNICATION CONNECTOR	RS-232
	POWER	DC 9V / 300mA
	DIMENSION AND WEIGHT	(160 X 190 X 70) mm / 880 Gms
	QUALITY CERTIFICATION	ISO 9001:2008, CE
WORKING CONDITION	ENVIRONMENTAL TEMPERATURE	5 TO 35°C 0.01°C AND 15 TO 30°C 0.001°C
	ENVIRONMENTAL HUMIDITY	< 75%
	IP RATING	IP 54 DUST PROOF AND IP 57 WATER PROOF
	IP RATING	IP54 DUSTPROOF AND WATERPROOF

ORDERING INFORMATION:

SCT-108.003.16	SCT-BEN-SOD-1	SCT BEN-SOD-1BENCHTOP SODIUM ION METER IS SUPPLIED WITH FLEXIBLE ELECTRODE HOLDER, INTELLIGENT STIRRER, STIR BEAD,SODIUM ION ELECTRODE, REFERENCE ELECTRODE, TEMPERATURE ELECTRODE, pNA1.00 STANDARD SOLUTION, 10 ⁻¹ mol/L CSCL REFERENCE SOLUTION, 9V POWER ADAPTER ,16V POWER ADAPTER, AA BATTERY, RS-232 COMMUNICATION CABLE, COMMUNICATION SOFTWARE CD, OPERATION MANUAL & PACKING LIST
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OPTIONAL ACCESSORIES: (SELECT ONLY IF REQUIRED)

ACCESSORY	PRODUCT NO.	DESCRIPTION
ION ELECTRODE	SCT-108.003.E1	SODIUM ION ELECTRODE, USED TO TEST THE CONCENTRATION OF SODIUM ION WITH BNC PLUG
REFERENCE ELECTRODE	SCT-108.003.F2	REFERENCE ELECTRODE, EQUIPPED WITH THE SODIUM ION ELECTRODE, BANANA PLUGS
TEMPERATURE ELECTRODE	SCT-108.003.D1	TEMPERATURE ELECTRODE, STAINLESS STEEL HOUSING, FAST RESPONSE, HIGH ACCURACY, RCA PLUGS
ELECTRODE HOLDER	SCT-108.002.NA	FLEXIBLE ELECTRODE HOLDER, NICE APPEARANCE OF THE ARC-TYPE BRACKET, YOU CAN TURN 360 DEGREES AND VERTICAL LIFT
	SCT-108.002.NB	STIRRING TYPE ELECTRODE HOLDER, THE ELECTRODE HOLDER AND MAGNETIC STIRRER COMBINATION OF NEW PRODUCTS.
	SCT-108.002.NC	SIMPLE ELECTRODE HOLDER

SCT BENCHTOP CALCIUM ION METER

SCT BENCHTOP CALCIUM ION METER WIDELY USED IN DETECTING THE CONCENTRATION OF CALCIUM IONS IN WATER.

SALIENT FEATURES:

- SCT METER MEETS WITH THE REQUIREMENT OF INTERNATIONAL GLP STANDARDS. ITS FEATURES UP TO AUTOMATIC CALIBRATION, AUTOMATIC TEMPERATURE COMPENSATION, DATA STORAGE, TIMING MEASUREMENT, CLOCK DISPLAY, RS-232 OUTPUT, FUNCTION SETTING AND SELF-DIAGNOSE ETC.
- THREE DIFFERENT MEASUREMENT MODES: STABLE DISPLAY MODE; TIME MEASUREMENT MODE; CONTINUOUS MEASUREMENT MODE.
- CALCIUM ELECTRODE RANGE.
- CALCIUM ION COMBINATION ELECTRODE, AND TEMPERATURE ELECTRODE.
- CAN SWITCH 4 KINDS OF CONCENTRATION UNIT : PX, MOL/L, MG/L AND PPM
- EACH METER IS CODED WITH UNIQUE SERIAL NUMBER.
- DUSTPROOF AND WATERPROOF METER MEETS IP54 STANDARDS. ALL SOCKETS ARE SEAL PROTECTED BY THE SILICA GEL CAPS.
- SCT BENCHTOP METER MEETS : ISO9001 & CE STANDARDS.



TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.003.17	
MODEL NO	SCT-BEN-CAL-1	
PARAMETER	PRODUCT NAME	BASIC FEATURES AND SPECIFICATIONS
CALCIUM ION	MEASURING RANGE	Ca2+ 0.00 TO 9.00 pCa
	UNITS	pCa, mol/L, mg/L AND ppm
	ACCURACY	Ca+ +/- 0.01 pCa
TEMPERATURE	MEASURING RANGE	- 10 TO 110 °C
	UNITS	°C
	ACCURACY	+/- 0.5 °C
mV	MEASURING RANGE	+/- 1999.9 mV
	UNITS	mV
	ACCURACY	+/- 0.1% FULL SCALE
OTHER TECHNICAL PARAMETERS	ATC- AUTOMATIC TEMPERATURE COMPENSATION	0 to 50 °C
	STORAGE DATA	600 GROUPS
	COMMUNICATION CONNECTOR	RS-232
	POWER	DC 9V / 300mA
	DIMENSION AND WEIGHT	(160 X 190 X 70) mm / 880 Gms
	QUALITY CERTIFICATION	ISO 9001:2008, CE
WORKING CONDITION	ENVIRONMENTAL TEMPERATURE	5 TO 35°C 0.01°C AND 15 TO 30°C 0.001 °C
	ENVIRONMENTAL HUMIDITY	< 75%
	IP RATING	IP 54 DUST PROOF AND IP 57 WATER PROOF

ORDERING INFORMATION:

SCT-108.003.17	SCT-BEN-CAL-01	SCT BENCHTOP CALCIUM ION CONCENTRATION METER IS SUPPLIED WITH FLEXIBLE ELECTRODE HOLDER, INTELLIGENT STIRRER, STIR BEAD, CALCIUM ION COMBINATION ELECTRODE, CALCIUM ELECTRODE INNER SOLUTION, CALCIUM ELECTRODE MEASURING HEAD, TOOL FOR FILLING CALCIUM ELECTRODE INNER SOLUTION, TEMPERATURE ELECTRODE, pCa 1.00 STANDARD SOLUTION, 9V POWER ADAPTER ,6V POWER ADAPTER, BATTERY, RS-232 COMMUNICATION CABLE, MP518 COMMUNICATION SOFTWARE CD, OPERATION MANUAL & PACKING LIST
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OPTIONAL ACCESSORIES: (SELECT ONLY IF REQUIRED)

ACCESSORY	PRODUCT NO.	DESCRIPTION
ION ELECTRODE	SCT-108.003.E2	CALCIUM COMPOSITE ELECTRODE USED FOR TESTING CALCIUM CONCENTRATION BNC PLUG
REFERENCE ELECTRODE	SCT-108.003.F2	REFERENCE ELECTRODE, EQUIPPED WITH THE SODIUM ION ELECTRODE, BANANA PLUGS
TEMP ELECTRODE	SCT-108.002.D1	TEMPERATURE ELECTRODE, STAINLESS STEEL HOUSING, FAST RESPONSE, HIGH ACCURACY, RCA PLUGS
ELECTRODE HOLDER	SCT-108.002.NA	FLEXIBLE ELECTRODE HOLDER, NICE APPEARANCE OF THE ARC-TYPE BRACKET, YOU CAN TURN 360 DEGREES AND VERTICAL LIFT
	SCT-108.002.NB	STIRRING TYPE ELECTRODE HOLDER, THE ELECTRODE HOLDER AND MAGNETIC STIRRER COMBINATION OF NEW PRODUCTS.
	SCT-108.002.NC	SIMPLE ELECTRODE HOLDER

SCT BENCHTOP FLUORIDE (FI) ION METER

SCT BENCHTOP FLUORIDE ION METER SUITABLE FOR DETECTING FLOURIDE ION IN THE WATER SAMPLES.

SALIENT FEATURES:

- SCT METER MEETS WITH THE REQUIREMENT OF INTERNATIONAL GLP STANDARDS. ITS FEATURES UP TO AUTOMATIC CALIBRATION, AUTOMATIC TEMPERATURE COMPENSATION, DATA STORAGE, TIMING MEASUREMENT, CLOCK DISPLAY, RS-232 OUTPUT, FUNCTION SETTING AND SELF-DIAGNOSE ETC.
- THERE ARE THREE DIFFERENT MEASUREMENT MODES: STABLE DISPLAY MODE; TIME MEASUREMENT MODE; CONTINUOUS MEASUREMENT MODE.
- ELECTRODE RANGE.
- FLUORIDE ION ELECTRODE, REFERENCE ELECTRODE AND TEMPERATURE ELECTRODE.
- CAN SWITCH 4 KINDS OF CONCENTRATION UNIT : PX, MOL/L, MG/L AND PPM
- EACH METER IS CODED WITH UNIQUE SERIAL NUMBER.
- DUSTPROOF AND WATERPROOF METER MEETS IP54 STANDARDS. ALL SOCKETS ARE SEAL PROTECTED BY THE SILICA GEL CAPS.
- SCT BENCHTOP METER MEETS : ISO9001 & CE STANDARDS.



TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.003.18	
MODEL NO	SCT-BEN-FLU-1	
PARAMETER	PRODUCT NAME	BASIC FEATURES AND SPECIFICATIONS
FLUORIDE ION	MEASURING RANGE	F-0.00 TO 9.00 pF
	UNITS	pF-, mol/L, mg/L AND ppm
	ACCURACY	F- +/- 0.01 pF
TEMPERATURE	MEASURING RANGE	- 10 TO 110 °C
	UNITS	°C
	ACCURACY	+/- 0.5 °C
mV	MEASURING RANGE	+/- 1999.9 mV
	UNITS	mV
	ACCURACY	+/- 0.1% FULL SCALE
OTHER TECHNICAL PARAMETERS	ATC- AUTOMATIC TEMPERATURE COMPENSATION	0 to 50 °C
	STORAGE DATA	600 GROUPS
	COMMUNICATION CONNECTOR	RS-232
	POWER	DC 9V / 300mA
	DIMENSION AND WEIGHT	(160 X 190 X 70) mm / 880 Gms
	QUALITY CERTIFICATION	ISO 9001:2008, CE
WORKING CONDITION	ENVIRONMENTAL TEMPERATURE	5 TO 35°C 0.01 °C AND 15 TO 30 °C 0.001°C
	ENVIRONMENTAL HUMIDITY	< 75%
	IP RATING	IP 54 DUST PROOF AND IP 57 WATER PROOF

ORDERING INFORMATION:

SCT-108.003.18	SCT-BEN-FLU-1	SCT BENCHTOP FLUORIDE ION CONCENTRATION METER IS SUPPLIED WITH FLEXIBLE ELECTRODE HOLDER INTELLIGENT STIRRER, STIR BEAD, FLUORIDE ION ELECTRODE, REFERENCE ELECTRODE, TEMPERATURE ELECTRODE, PF1.00 STANDARD SOLUTION, 9V POWER ADAPTER, 6V POWER ADAPTER, BATTERY, RS-232 COMMUNICATION CABLE, COMMUNICATION SOFTWARE CD, OPERATION MANUAL & PACKING LIST
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OPTIONAL ACCESSORIES: (SELECT ONLY IF REQUIRED)

ACCESSORY	PRODUCT NO.	DESCRIPTION
ION ELECTRODE	SCT-108.003.E4	FLUORIDE ELECTRODE, USED TO TEST FLUORIDE CONCENTRATION BNC PLUG
REFERENCE ELECTRODE	SCT-108.003.F3	REFERENCE ELECTRODE, EQUIPPED WITH THE 7801 SODIUM ION ELECTRODE, BANANA PLUGS
TEMPERATURE ELECTRODE	SCT-108.002.D1	TEMPERATURE ELECTRODE, STAINLESS STEEL HOUSING, FAST RESPONSE, HIGH ACCURACY, RCA PLUGS
ELECTRODE HOLDER	SCT-108.002.NA	FLEXIBLE ELECTRODE HOLDER, NICE APPEARANCE OF THE ARC-TYPE BRACKET, YOU CAN TURN 360 DEGREES AND VERTICAL LIFT
	SCT-108.002.NB	STIRRING TYPE ELECTRODE HOLDER, THE ELECTRODE HOLDER AND MAGNETIC STIRRER COMBINATION OF NEW PRODUCTS.
	SCT-108.002.NC	SIMPLE ELECTRODE HOLDER

SCT BENCHTOP WATER HARDNESS METER

SALIENT FEATURES :

- SCT BENCHTOP METER IS FOR MEASUREMENT OF WATER HARDNESS (THE TOTAL CONCENTRATION OF CALCIUM ION AND MAGNESIUM ION).
- ELECTRODE ADOPTS WATER HARDNESS COMBINATION ELECTRODE WITH PATENT STRUCTURE. IT CONSISTS OF MEASUREMENT ELECTRODE, REFERENCE ELECTRODE AND TEMPERATURE PROBE. REPLACEABLE MEASURING HEAD, STEADY POTENTIAL, FAST RESPONSE, EASY TO USE.
- METER ADOPTS INTELLIGENT CHIP DESIGN, AUTOMATIC CALIBRATION, AUTOMATIC TEMPERATURE COMPENSATION, TIME DISPLAY, DATA STORAGE RS232 OUTPUT, ETC.
- ABILITY TO SWITCH AMONG EIGHT UNITS: MMOL/L, MG/L (CACO₃), MG/L (CAO), MMOL/L (BOILER) AND MG/L (CA). THREE OPTIONS OF THREE UNITS: °FH(FRANCE °DH(GERMAN °EHUK FROM WH-LINK COMMUNICATION SOFTWARE
- EQUIPPED WITH B1 B2 AND B3 CALIBRATION SOLUTIONS.
- EQUIPPED WITH WH-LINK COMMUNICATION SOFTWARE, CONNECT TESTING DATA OF METER TO COMPUTER.
- SCT BENCHTOP METER MEETS : ISO9001 & CE STANDARDS.



TECHNICAL SPECIFICATION :

PRODUCT NO.	SCT-108.003.19	
MODEL NO	SCT-BEN-HARD-1	
PARAMETER	PRODUCT NAME	SPECIFICATIONS
WATER HARDNESS	MEASURING RANGE	0 ~ 10 MMOL/L 0 ~ 401 MG/L(CA)
	RESOLUTION	0 ~ 1000 MG/L(CACO ₃) 0 ~ 100 °FH(FRANCE DEGREE)
	ACCURACY	0 ~ 561 MG/L(CAO) 0 ~ 56 °DH(GERMAN DEGREE)
	TEMP. COMPENSATION	0 ~ 20 MMOL/L(BOILER) 0 ~ 70 °EH (ENGLAND DEGREE)
	CALIBRATION SOLUTION	0.01 AND 0.1 WATER HARDNESS UNITS
	CALIBRATION MODE	±5% FS
		5 ~ 50 AUTOMATIC
		B1 CALIBRATION SOLUTION — 2.00×10-2 MMOL/L
		B2 CALIBRATION SOLUTION — 2.00×10-1 MMOL/L
		B3 CALIBRATION SOLUTION — 2.00 MMOL/L
		B3 CALIBRATION SOLUTION ALSO CAN BE USED FOR THE SOAKING SOLUTION OF ELECTRODE
TEMPERATURE	MEASURING RANGE	0 ~ 60
	RESOLUTION	0.1
	ACCURACY	±0.5
	DATA STORAGE	128 GROUPS
OTHER TECHNICAL PARAMETER	CONTENT STORAGE	SERIAL NUMBER OF MEASURING VALUE, MEASURING VALUE, UNITS, TEMPERATURE, ATC OR MTC, DATE, TIME AND CALIBRATION WAY.
	COMMUNICATION CONNECTOR	RS232
	POWER	DC9V
	DIMENSION AND WEIGHT	(160×190×70)MM/750G
	QUALITY AND SAFE CERTIFICATE	ISO9001:2000 AND CE
WORKING CONDITIONS	AMBIENT TEMPERATURE	(5~35)
	AMBIENT HUMIDITY	≤85%RH

ORDERING INFORMATION:

SCT-108.003.19	SCT-BEN-HARD-1	SCT BEN-HARD-1 BENCHTOP WATER HARDNESS METER IS SUPPLIED WITH WATER HARDNESS ELECTRODE STIRRING TYPE ELECTRODE HOLDER, WATER HARDNESS CALIBRATION SOLUTION (B1, B2 & B23) 20 ML. TEST CUP PEDESTAL IN A SOLUTION FOR WATER HARDNESS ELECTRODE TOOLS FOR FILLING REFERENCE SOLUTION WH - LINK COMMUNICATION SOFTWARE, RS-232 COMMUNICATION CABLE AND OPERATION MANUAL.
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OPTIONAL ACCESSORIES: (SELECT ONLY IF REQUIRED)

ACCESSORY	PRODUCT NO.	DESCRIPTION
WATER HARDNESS ELECTRODE	SCT-108.002.E2	WATER HARDNESS ELECTRODE SUITED FOR MEASUREMENT OF TOTAL CONCENTRATION OF CALCIUM ION AND MAGNESIUM ION, MATCH METER, BNC+RCA CONNECTOR
WATER HARDNESS ELECTRODE ACCESSORY	SCT-108.002.E3	WATER HARDNESS ELECTRODE INNER REFERENCE SOLUTION, MATCH ELECTRODE
	SCT-108.002.HB	REFERENCE SOLUTION FILLING TOOL, MATCH ELECTRODE
WATER HARDNESS CALIBRATION SOLUTION	SCT-108.002.EA	WATER HARDNESS CALIBRATION SOLUTION B1 - 250 ML
	SCT-108.002.FA	WATER HARDNESS CALIBRATION SOLUTION B2 - 250 ML
	SCT-108.002.GA	WATER HARDNESS CALIBRATION SOLUTION B3 - 250 ML

SCT pH / TITRATION MAGNETIC STIRRERS

SCT MAGNETIC STIRRERS AND MAGNETIC STIRRER / HOTPLATES ARE MADE EXCLUSIVELY FOR SCT WATER TESTING / MEASUREMENT. BENCHTOP SERIES : HOWEVER, CUSTOMER CAN USE THESE PRODUCTS FOR YOUR GENERAL PURPOSES ALSO.

SALIENT FEATURES:

- SMALL AND COMPACT
- MADE OF ABS PLASTIC
- RANGE 0 - 2300 rpm
- STEPLESS SPEED / REGULATION
- 1 LITRE STIRRING CAPACITY
- 6V - DC - POWER ADAPTER



TECHNICAL SPECIFICATIONS:

PRODUCT NO.	SCT-108.002.PA	
MODEL NO.	SCT-GDS-1	
STIRRER	SPEED	0 - 2300 RPM (EMPTY LOAD)
	MAX. STIRRING CONTENT	1000 ML
	PLATE DIAMETER	Φ 120 MM
OTHER TECHNICAL PARAMETERS	POWER ADAPTER	DC6V
	EXTERIOR DIMENSION AND WEIGHT	Φ 120 X 49 MM / 500 G

ORDERING INFORMATION:

SCT-108.002.PA	SCT-GDS-1	SCT GDS-1 pH TITRATION MAGNETIC STIRRER IS SUPPLIED WITH DC6V POWER ADAPTER AND INSTRUCTION MANUAL.
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SCT pH / TITRATION HOTPLATE MAGNETIC STIRRERS

SCT MAGNETIC STIRRERS AND MAGNETIC STIRRER & HOTPLATES ARE MADE EXCLUSIVELY FOR SCT WATER TESTING / MEASUREMENT. BENCHTOP SERIES : HOWEVER, CUSTOMER CAN USE THESE PRODUCTS FOR YOUR GENERAL PURPOSES ALSO.

SALIENT FEATURES:

- SMALL AND COMPACT
- MADE OF ABS PLASTIC
- RANGE 0 - 2300 rpm
- STEPLESS SPEED / REGULATION
- STIRRER WITH HEATING UPTO 120°C
- 1 LITRE STIRRING CAPACITY
- 6V - DC - POWER ADAPTER



TECHNICAL SPECIFICATIONS:

PRODUCT NO	SCT-108.002.PB	
MODEL NO	SCT-GDS-2	
STIRRER	SPEED	0 - 2300 RPM (EMPTY LOAD)
	HEATING	120°C
	MAX. STIRRING CONTENT	1000 ML
	PLATE DIAMETER	Φ 120 MM
OTHER TECHNICAL PARAMETERS	POWER ADAPTER	DC6V
	EXTERIOR DIMENSION AND WEIGHT	Φ 120 X 49 MM / 500 G

ORDERING INFORMATIONS:

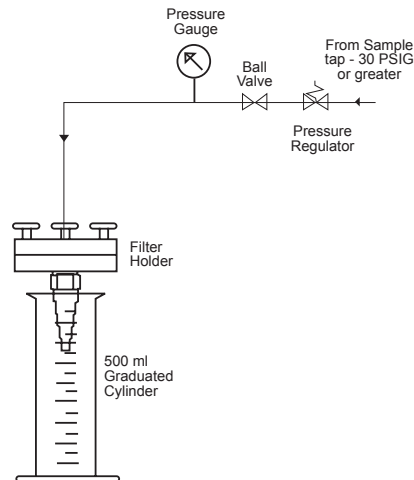
SCT-108.002.PB	SCT-GDS-2	SCT GDS-2 pH TITRATION HOTPLATE MAGNETIC STIRRER IS SUPPLIED WITH DC6V POWER ADAPTER AND INSTRUCTION MANUAL.
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ScichemTech - SCT[®] SDI TEST KITS

SCT PORTABLE & MANUAL SILT DENSITY INDEX (SDI) TEST METER

SALIENT FEATURES:

SCT SDI METER is completely assembled in a portable, COMPACT case, ready for on-site testing. Includes ASTM instructions for measuring silt density index. Feed pressure required: Min 40 psi , Assembled with Filter Holder, Pressure Gauge, Pressure Regulator, Ball Valve, Graduated Cylinder, Thermometer, Tubing, Filter Tweezers., Filters not included (please refer optional accessories).



$$SDI_T = \frac{\%P_{30}}{T} = \frac{\left[1 - \frac{t_i}{t_f}\right] 100}{T}$$

where % P30 = percent @ 30 psi feed pressure (see note 1)
 T = total elapsed flow time (see note 1)
 t_i = initial time required to collect 500 ml sample.
 t_f = time required to collect 500 ml sample after test time T, (see note 1)

Note 1. The value % P30 is commonly referred to as the “plugging factor”, %P30 (plugging factor) should not exceed 75%. If you obtain values higher than 75%, the test should be conducted using a shorter time for T, that is 5 or 10 minute measurements for T_f. If % P30 exceeds 75% on a 5 minute test, you have water that need further treatment before a meaningful SDI result can be obtained.

ORDERING INFORMATIONS :

SCT-108.004.01	SCT-SEDIMENT-01	SCT SEDIMENT-1 PORTABLE MANUAL SILT DENSITY INDEX METER IS SUPPLIED COMPLETE WITH ASTM instructions for measuring silt density index, Filter Holder, Pressure Gauge, Pressure Regulator, Ball Valve, Graduated Cylinder, Thermometer, Tubing, Filter Tweezers
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OPTIONAL ACCESSORIES (ORDER ONLY IF REQUIRED)

SCT-108.004.1A	0.45 Micron Filter (100 per package)
SCT-108.004.1B	Replacement Filter Holder

SCT PORTABLE & DIGITAL SILT DENSITY INDEX (SDI) TEST METER

SALIENT FEATURES:

- Performs SDI 5, 10 and 15 minute tests with both 100 ml and 500 ml sample size tests – provides useful data that's impossible to obtain with the manual method. Especially helpful on high SDI waters.
- Unattended operation. Start the test and return in 15 minutes for the results – saves you time.
- Real-time display of results including SDI, current flow rate and elapsed time. End of test display includes SDI 5, 10 & 15 with 100 ml and 500 ml results.
- More accurate than hand testing (ASTM D 4189-95) - consistent results provides better information.
- Battery powered for true portability – conduct tests anywhere.
- Uses standard 47 mm membrane filters – for lower consumable cost and worldwide availability



TECHNICAL SPECIFICATIONS:

PRODUCT NO	SCT-108.004.02	SCT.108.004.03
SCT MODEL NO	SEDIMENT-2 (110V)	SEDIMENT-3 (220V)
Sample Water Pressure	35-100 psi	
Sample Water Temperature	35-100°F	
Sample water Solids	Free of solids. Filter to 50 microns minimum.	
Inlet	1/4" OD tubing.	
Power Supply	110VAC-9VDC 500mA, 220VAC-9VDC 500mA Pls specify upon ordering	
Battery	6V 1.3 AH SLA type.13 hours testing/charge.	
Weight	7 lbs, (3.2 kg)	
Dimensions Inch (mm)WXDXH	10.75 (273) 9.75 (248) 5 (127)	

ORDERING INFORMATION:

108.004.02	SCT-SEDIMENT-02	SCT SEDIMENT-2 Portable & Automated Silt Density Index Meter 110VAC is supplied with Power Supply, Battery Charger, Accessory Case, pack of 100 each, .45 micron 47 mm membrane filters, Special Tweezers for handling of the membranes, and a 50 micron pre-filter.
108.004.03	SCT-SEDIMENT-03	SCT SEDIMENT-3 Portable & Automated Silt Density Index Meter 220VAC is supplied with Power Supply, Battery Charger, Accessory Case, pack of 100 each .45 micron 47 mm membrane filters, Special Tweezers for handling of the membranes, and a 50 micron pre-filter.

OPTIONAL ACCESSORIES (ORDER ONLY IF REQUIRED)

SCT-108.004.2A	0.45 Micron, 47 mm Filter (100 per package)
SCT-108.004.2B	Pre-filter 5M inline
SCT-108.004.2C	Battery 6V 1.3 AH SLA type

* This products has been manufactured for us, the brand name may differ but we inform that the orgin is from U.S.A.

ScichemTech® SCT - MINI & MAXI CONTROLLERS FOR THE PROCESS AND INDUSTRY

ScichemTech – R&D Team always think ahead and provide the best & competitive solutions for our valued scientific and industrial customers. SCT-Mini and Maxi Series of pH, ORP, TDS, AND EC controllers are designed and manufactured to cover all the customers' needs in a single simple instrument.

We have designed Mini-series with 45x91mm and Maxi series with 92x92mm, face opening dimensions respectively, both are panel mounted types.

We are one of the few manufacturers who supply the suitable electrode (or) probe along with the controllers. All the controllers have clear LED digital Display for the easy viewing. All our pH, and ORP probes are supplied with 10 meters cable, and EC & TDS probes are supplied with 5 meter cable. Higher length cables upto 40 to 100 meters and suitable transmitters are available upon request. Furthermore In all our EC AND TDS controllers, a wide measurement range Low, Medium, High are made possible in the same controller, No need to buy three different controllers(just with a small knob, customer can shift to their modes on the rear panel)

All the SCT sensors and Probes are made in house precisely to withstand any adverse environmental conditions. They are very accurate in measuring and easy and simple to maintain with a long life.

Our controllers are designed to suit many water related environmental applications like, Reverse Osmosis, Swimming pools, Hydroponics, Fisheries, Agricultural, Food & Dairy Industries, and Waste water Treatment Plants, Paper, Textile industries and Chemical Industries and many more, where all pH, ORP, EC & TDS are need to be monitored and controlled precisely.

SCT pH MINI CONTROLLERS

SALIENT FEATURES:

- SCT –pH MINI online pH controller is an accurate instrument used for Industrial online measurement and pH control
- Simple and compact design
- Meets all the international standards
- Easy to Install, Operates safely with less maintenance
- Output – Insulated 4- 20 mA
- Large and Clear LCD Display
- In line measurement and control of pH values
- pH electrode Supplied with standard 10 meter cable



TECHNICAL SPECIFICATIONS:

PRODUCT NO	SCT-108.005.01
SCT MODEL NO	SCT-pH-MINI
Measurement range	0.00~14.00pH
Resolution ratio	0.02 pH
Accuracy	±0.1pH
Display	3½-digit apheliotropic liquid crystal display
Calibration mode	three-point calibration (automatic identification of solutions)
Manual temperature compensation	0~80°C
Temperature of measured solutions	0~80°C
Compression resistance of electrodes	0~0.6MPa
Measurement distance	standard configuration 10m(≤40m)
Output current	insulated 4~20mA (≤500Ω)
Control output	maximum and minimum (constantly open) contact point output
Capacity of contact points	3A/AC250V (with resistant loads)
Power supply	AC 220V~240V 60Hz
Environmental conditions	Temp : 0 to 50°C Humidity: ≤85%
External dimensions	48×96×100mm (height × width × depth)
Face Opening	45×91mm
Installation Method	panel-mounted



ORDERING INFORMATION:

SCT-108.005.01	SCT-pH-MINI	SCT pH MINI CONTROLLER IS SUPPLIED WITH pH PROBE, FIXATION CLAMPS AND INSTRUCTION MANUAL
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OPTIONAL ACCESSORIES (SELECT ONLY IF REQUIRED)

SCT-108.005.01A	pH probe with 10 meter cable
SCT-108.002.AA	pH 4.00 Buffer solution - 500ml
SCT-108.002.AG	pH 7.00 Buffer solution - 500ml
SCT-108.002.AM	pH 10.01 Buffer solution – 500ml
SCT-108.002.CA	Electrode Storage solution – 500ml
SCT-108.005.01B	Mounting clamps

SCT ORP (OXIDATION REDUCTION POTENTIAL) MINI CONTROLLER

SALIENT FEATURES:

- SCT –ORP MINI online ORP controller is an Industrial online analysis and monitoring instruments
- Simple and Compact design
- Meets all the International Standards
- Easy to Install, Operates safely with less maintenance.
- ORP Electrode Supplied with standard 10 meter cable, Measurement up to 40 meters.
- Large and clear display for easy reading
- Inline measurement and control of ORP values



TECHNICAL SPECIFICATIONS:

PRODUCT NO	SCT-108.005.02
SCT MODEL NO	SCT-ORP-MINI
SCT PRODUCT NO	SCT-108.005.02
SCT MODEL NO	SCT-ORP-MINI
ORP measuring range	±1000mV
Resolution	±2mV
Accuracy	±2mV
Display	3½-digit apheliotropic liquid crystal display
Pressure resistance of the electrode	0~0.6MPa
Power supply	AC 220V±10% 50Hz
Measuring distance	no larger than 40m (standard configuration of electrode cable is 10m)
Contact capacity	3A/AC 250V (resistive load)
Temperature of measured solution	0~80°C
Environmental conditions	Temp : 0 to 50°C Humidity: ≤85%
Overall dimension	48×96×100mm (height × width × depth)
Opening of dial plate	45×91mm
Installation method	panel-mounted



ORDERING INFORMATION:

SCT-108.005.02	SCT-ORP-MINI	SCT ORP MINI CONTROLLER IS SUPPLIED WITH ORP PROBE, FIXATION CLAMPS AND INSTRUCTION MANUAL
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OPTIONAL ACCESSORIES (SELECT ONLY IF REQUIRED)

SCT-108.005.02A	ORP probe with 10 meter cable
SCT-108.002.DA	222mV ORP Standard Solution -250ML
SCT-108.002.CA	Electrode Storage solution – 500ml
SCT-108.005.02B	Mounting clamps

SCT CONDUCTIVITY MINI CONTROLLERS

SALIENT FEATURES:

- SCT – EC MINI online Conductivity controller is an panel Instrument for online monitoring of Industrial process conductivity
- Simple and compact design
- Three ranges of conductivity measurements in on single controller
- Range switch over and constant check can be easily adjusted from the rear panel.
- Unique signal collecting and processing technology.
- Special think film circuit for accurate measurement and stable operations.
- Linearized data and automatic temperature compensations.
- In line measurement and control of conductivity.
- Conductivity electrode is supplied with 5 meter cable.



TECHNICAL SPECIFICATIONS:

PRODUCT NO	SCT-108.005.03
SCT MODEL NO	SCT-EC-MINI
Measuring range	0~20, 0~200, 0~2000 µS/cm
Display	liquid-crystal display with 3½ bit LCD Segment code
Accuracy	1.5% (FS)
Stability	±2×10 ⁻³ (FS)/24h
Work pressure	0~0.5MPa
Media temperature	0~50°C



Temperature compensation	with 25°C as the reference point, digital compensation
Output current	isolation of 4~20mA active output
Optional electrode	1.0cm-1, 1/2" pipe thread
Cable length	5m in normal condition
Environment condition	temperature: 0~50°C; humidity: ≤85%RH
Power supply	AC 220V±10% 50Hz
Overall dimension	48×96×100mm (height x width x depth)
Face opening	45×92mm
Installation method	panel-mounted

ORDERING INFORMATION:

SCT-108.005.03	SCT-EC-MINI	SCT EC MINI CONTROLLER IS SUPPLIED WITH CONDUCTIVITY PROBE, FIXATION CLAMPS AND INSTRUCTION MANUAL.
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OPTIONAL ACCESSORIES (SELECT ONLY IF REQUIRED)

SCT-108.005.03A	Conductivity probe with 5 meter cable
SCT-108.002.BA	84 µS/cm conductivity standard solution 500ml
SCT-108.002.BD	1413 µS/cm conductivity standard solution 500ml
SCT-108.005.03B	Mounting clamps

SCT TDS (TOTAL DISSOLVED / SOLIDS) MINI CONTROLLERS

SALIENT FEATURES:

- SCT –TDS MINI online TDS controller is an panel Instrument for online monitoring of Industrial process conductivity
- Simple and compact design
- Three ranges of TDS measurements in on single controller
- Range switch over and constant check can be easily adjusted from the rear panel.
- Unique signal collecting and processing technology.
- Special think film circuit for accurate measurement and stable operations.
- Linearized data and automatic temperature compensations.
- In line measurement and control of TDS.
- TDS Electrode is supplied with 5 meter cable



TECHNICAL SPECIFICATIONS:

SCT PRODUCT NO	SCT-108.005.04
SCT MODEL NO	SCT-TDS-MINI
Measuring range	0~20, 0~200, 0~2000 ppm
Display	Liquid-crystal display with 3½ bit LCD segment code
Accuracy	1.5% (Fs)
Stability	±2×10 ⁻³ (Fs)/24h
Work pressure	0~0.5mpa
Media temperature	0~50°C
Temperature compensation	With 25°C as the reference point, digital compensation
Output current	Isolation of 4~20ma active output
Optional electrode	1.0cm-1, 1/2" pipe thread
Cable length	5m in normal condition
Environment condition	Temperature: 0~50°C; humidity: ≤85%rh
Power supply	AC 220v±10% 50hz
Overall dimension	48×96×100mm (height x width x depth)
Face opening	45×92mm
Installation method	Panel-mounted



ORDERING INFORMATION:

SCT-108.005.04	SCT-TDS-MINI	SCT TDS MINI CONTROLLER IS SUPPLIED WITH TDS PROBE, FIXATION CLAMPS AND INSTRUCTION MANUAL.
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OPTIONAL ACCESSORIES (SELECT ONLY IF REQUIRED)

SCT-108.005.04A	TDS probe with 5 meter cable
SCT-108.002.BA	84 µS/cm conductivity standard solution 500ml
SCT-108.002.BD	1413 µS/cm conductivity standard solution 500ml
SCT-108.005.04B	Mounting clamps

SCT pH MINI VERTICAL CONTROLLERS

SALIENT FEATURES:

- SCT –pH MINI VERTICAL online pH controller is an accurate instrument used for Industrial online measurement and pH control
- Simple and compact design
- Meets all the international standards
- Easy to Install , Operates safely with less maintenance
- Output – Insulated 4- 20 mA
- Large and Clear LCD Display
- In line measurement and control of pH values
- pH electrode Supplied with standard 10 meter cable

TECHNICAL SPECIFICATIONS:

PRODUCT NO	SCT-108.005.06
SCT MODEL NO	SCT-PH-MINI-V
Measurement range	0.00~14.00 pH
Resolution ratio	0.02 pH
Accuracy	±0.1 pH
Display	3 1/2-DIGIT APHELIOTROPIC LIQUID CRYSTAL DISPLAY
Calibration mode	THREE-POINT CALIBRATION (AUTOMATIC IDENTIFICATION OF SOLUTIONS)
Manual temperature compensation	0~80°C
Temperature of measured solutions	0~80°C
Compression resistance of electrodes	0~0.6MPA
Measurement distance	STANDARD CONFIGURATION 10M(≤40M)
Output current	INSULATED 4~20MA (≤500Ω)
Control output	MAXIMUM AND MINIMUM (CONSTANTLY OPEN) CONTACT POINT OUTPUT
Capacity of contact points	3A/AC250V (WITH RESISTANT LOADS)
Power supply	AC 220V~240V 60HZ
Environmental conditions	TEMP 0 TO 50°C HUMIDITY: ≤85%
External dimensions	80×50×95MM (HEIGHT× WIDTH× DEPTH)
Face Opening	42×73MM
Installation Method	PANEL-MOUNTED



ORDERING INFORMATION:

SCT-108.005.06	SCT-PH-MINI-V	SCT pH MINI VERTICAL CONTROLLER IS SUPPLIED WITH pH PROBE, FIXATION CLAMPS, ZINSTRUCTION MANUAL
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OPTIONAL ACCESSORIES (SELECT ONLY IF REQUIRED)

SCT-108.005.06A	pH probe with 10 meter cable
SCT-108.002.AA	pH 4.00 Buffer solution - 500ml
SCT-108.002.AG	pH 7.00 Buffer solution - 500ml
SCT-108.002.AM	pH 10.01 Buffer solution – 500ml
SCT-108.002.CA	Electrode Storage solution – 500ml
SCT-108.005.06B	Mounting clamps

SCT ORP (OXIDATION REDUCTION POTENTIAL) MINI VERTICAL CONTROLLER

SALIENT FEATURES:

- SCT–ORP MINI VERTICAL online ORP controller is an Industrial online analysis and monitoring instruments
- Simple and Compact design
- Meets all the International Standards
- Easy to Install, Operates safety with less maintenance.
- ORP Electrode Supplied with standard 10 meter cable, Measurement up to 40 meters.
- Large and clear display for easy reading
- Inline measurement and control of ORP values



TECHNICAL SPECIFICATIONS:

PRODUCT NO	SCT-108.005.07
SCT MODEL NO	SCT- ORP-MINI-V
ORP measuring range	±1000mV
Resolution	±2mV
Accuracy	±2mV
Display	3 1/2-digit apheliotropic liquid crystal display
Pressure resistance of the electrode	0~0.6MPa
Power supply	AC 220V~240V 60Hz
Measuring distance	no larger than 40m (standard configuration of electrode cable is 10m)
Contact capacity	3A/AC 250V (resistive load)
Temperature of measured solution	0~80°C
Environmental conditions	Temp 0 to 50°C Humidity: ≤85%
External dimensions	80×50×95MM (Height× Width× Depth)
Face Opening	42×73MM
Installation Method	Panel-mounted

ORDERING INFORMATIONS:

SCT-108.005.07	SCT-ORP-MINI-V	SCT ORP MINI VERTICAL CONTROLLER IS SUPPLIED WITH ORP PROBE, FIXATION CLAMPS, INSTRUCTION MANUAL
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OPTIONAL ACCESSORIES (SELECT ONLY IF REQUIRED):

SCT-108.005.07A	ORP probe with 10 meter cable
SCT-108.002.DA	222MV ORP Standard Solution -250ML
SCT-108.002.CA	Electrode Storage solution – 500ml
SCT-108.005.07B	Mounting clamps

SCT CONDUCTIVITY MINI VERTICAL CONTROLLERS

SALIENT FEATURES:

- SCT – EC MINI VERTICAL online Conductivity controller is an panel Instrument for online monitoring of Industrial process conductivity
- Simple and compact design
- Three ranges of conductivity measurements in on single controller
- Range switch over and constant check can be easily adjusted from the rear panel.
- Unique signal collecting and processing technology.
- Special think film circuit for accurate measurement and stable operations.
- Linearized data and automatic temperature compensations.
- In line measurement and control of conductivity.
- Conductivity electrode is supplied with 10 meter cable.

TECHNICAL SPECIFICATIONS:

PRODUCT NO	SCT-108.005.08
SCT MODEL NO	SCT-EC-MINI-V
Measuring range	0~20, 0~200, 0~2000 μS/cm
Display	liquid-crystal display with 3 1/2 bit LCD Segment code
Accuracy	1.5% (FS)
Stability	+/-2×10 ⁻³ (FS)/24h
Work pressure	0~0.5MPa
Media temperature	0~50°C
Temperature compensation	with 25OC as the reference point, digital compensation
Output current	isolation of 4~20mA active output
Optional electrode	1.0cm-1 , 1/2"pipe thread
Cable length	10m in normal condition
Environment condition	Temp: 0~50°C; humidity: ≤85%RH
Power supply	AC 220V~240V 60Hz
External dimensions	80×50×95MM (Height× Width× Depth)
Face Opening	42×73MM
Installation Method	Panel-mounted



ORDERING INFORMATION:

SCT-108.005.08	SCT-EC-MINI-V	SCT EC MINI VERTICAL CONTROLLER IS SUPPLIED WITH CONDUCTIVITY PROBE, FIXATION CLAMPS, INSTRUCTION MANUAL
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OPTIONAL ACCESSORIES (SELECT ONLY IF REQUIRED):

SCT-108.005.08A	Conductivity probe with 10 meter cable
SCT-108.002.BA	84 uS/cm conductivity standard solution 500ml
SCT-108.002.BD	1413 uS/cm conductivity standard solution 500ml
SCT-108.005.08B	Mounting clamps

SCT TDS (TOTAL DISSOLVED / SOLIDS) MINI CONTROLLERS

SALIENT FEATURES:

- SCT –TDS MINI online TDS controller is an panel Instrument for online monitoring of Industrial process conductivity
- Simple and compact design
- Three ranges of TDS measurements in on single controller
- Range switch over and constant check can be easily adjusted from the rear panel.
- Unique signal collecting and processing technology.
- Special thin film circuit for accurate measurement and stable operations.
- Linearized data and automatic temperature compensations.
- In line measurement and control of TDS.
- TDS Electrode is supplied with 10 meter cable

PRODUCT NO	SCT-108.005.09
SCT MODEL NO	SCT-TDS-MINI-V
Measuring range	0~20, 0~200, 0~2000 ppm
Display	liquid-crystal display with 3 1/2 bit LCD Segment code
Accuracy	1.5% (FS)
Stability	+/-2x10-3(FS)/24h
Work pressure	0~0.5MPa
Media temperature	0~50°C
Temperature compensation	with 25°C as the reference point, digital compensation
Output current	isolation of 4~20mA active output
Optional electrode	1.0cm-1 , 1/2"pipe thread
Cable length	10m in normal condition
Environment condition	Temp: 0~50°C; humidity: ≤85%RH
Power supply	AC 220V~240V 60Hz
External dimensions	80×50×95MM (Height× Width× Depth)
Face Opening	42×73MM
Installation Method	Panel-mounted



ORDERING INFORMATION:

SCT-108.005.09	SCT-TDS-MINI-V	SCT TDS MINI VERTICAL CONTROLLER IS SUPPLIED WITH TDS PROBE, FIXATION CLAMPS, INSTRUCTION MANUAL
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OPTIONAL ACCESSORIES (SELECT ONLY IF REQUIRED)

SCT-108.005.09A	TDS probe with 10 meter cable
SCT-108.002.BA	84 uS/cm conductivity standard solution 500ml
SCT-108.002.BD	1413 uS/cm conductivity standard solution 500ml
SCT-108.005.09B	Mounting clamps

SCT CONDUCTIVITY MINI-HR VERTICAL CONTROLLER (HIGH RANGE)

SALIENT FEATURES:

- SCT-EC MINI-HR VERTICAL Conductivity controller is an panel Instrument for online monitoring of Industrial process conductivity
- Simple and compact design
- High range of conductivity measurements & controller
- Unique signal collecting and processing technology.
- Special thin film circuit for accurate measurement and stable operations.
- Linearized data and automatic temperature compensations.
- In line measurement and control of conductivity.
- Conductivity electrode is supplied with 10 meter cable.

TECHNICAL SPECIFICATIONS:

PRODUCT NO	SCT-108.005.10
SCT MODEL NO	SCT-EC-MINI-HR-V
Measuring range	0~19.99mS/cm
Display	liquid-crystal display with 31/2 bit LCD Segment code
Accuracy	1.5% (FS)
Stability	+/-2×10 ⁻³ (FS)/24h
Work pressure	0~0.5MPa
Media temperature	0~50°C
Temperature compensation	with 25°C as the reference point, digital compensation
Output current	isolation of 4~20mA active output
Optional electrode	1.0cm-1 , 1/2"pipe thread
Cable length	10m in normal condition
Environment condition	Temp: 0~50°C; humidity: ≤85%RH
Power supply	AC 220V~240V 60Hz
External dimensions	80×50×95MM (Height× Width× Depth)
Face Opening	42×73MM
Installation Method	Panel-mounted



ORDERING INFORMATION:

SCT-108.005.10	SCT-EC-MINI-HR-V	SCT EC MINI HIGH RANGE VERTICAL CONTROLLER IS SUPPLIED WITH CONDUCTIVITY PROBE, FIXATION CLAMPS, INSTRUCTION MANUAL
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OPTIONAL ACCESSORIES (SELECT ONLY IF REQUIRED)

SCT-108.005.10A	Conductivity probe with 10 meter cable
SCT-108.002.BA	84 uS/cm conductivity standard solution 500ml
SCT-108.002.BD	1413 uS/cm conductivity standard solution 500ml
SCT-108.005.10B	Mounting clamps

SCT- pH (POTENTIAL OF HYDROXIDE) MAXI CONTROLLERS

SALIENT FEATURES:

- SCT- pH (potential of Hydroxide) MAXI CONTROLLERS are designed with creativeness to get the elegance and produced with proper quality , and meets the specifications for the Water related applications with high level performance .
- SCT- pH (potential of Hydroxide) MAXI CONTROLLERS are supplied with the suitable electrode with SCT standard 10 meters cable.(new series).
- SCT- pH (potential of Hydroxide) MAXI CONTROLLERS are an industrial instrument used for online analysis and monitoring.
- SCT- pH (potential of Hydroxide) MAXI CONTROLLERS are made in a attractive pleasant colour with a Large and Clear blue white LCD Display
- SCT- pH (potential of Hydroxide) MAXI CONTROLLERS are Microprocessor based controllers, which gives stable and accurate readings.
- SCT- pH (potential of Hydroxide) MAXI CONTROLLERS uses Low power consumption and produces less internal heat.
- SCT- pH (potential of Hydroxide) MAXI CONTROLLERS has an isolated 4-20 mA current output.
- SCT- pH (potential of Hydroxide) MAXI CONTROLLERS proved to work continuously in any harsh environmental conditions for the In line measurement and control of accurate pH value and it give the direct measurement and readings.

TECHNICAL SPECIFICATIONS:

SCT PRODUCT NO	SCT-108.005.11
SCT MODEL NO	SCT-pH-MAXI
Measurement range	0.00~14.00 pH
Accuracy	±0.1 pH
Display mode	3½ bit LCD with BACKLIGHT
pH calibration method	Three-points calibration
pH temperature compensation	Manual compensation with 25°C as the benchmark
Output current	Isolate the active output of 4~20mA.
Output control	Dual-contact output with both higher and lower limits (normally open and normally-close respectively)
Contact capacity	7A/250V AC (resistive load)
Length of the cable	10 m
Screw size	3/4" pipe thread
Requirements on water samples	Pressure: ≤0.3MPa Flow rate: ≤3 m/s
Power supply	AC 220V±10%; 50Hz
Environmental conditions	Temperature: 0~50°C Humidity: ≤85%RH
Overall dimension	96x96x120mm (Height x Width x Depth)
Face Opening	92x92mm
Installation method	Panel-mounted



ORDERING INFORMATION:

SCT-108.005.11	SCT-pH-MAXI	SCT pH MAXI CONTROLLER IS SUPPLIED WITH pH SENSOR, FIXATION CLAMPS AND INSTRUCTION MANUAL
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OPTIONAL ACCESSORIES (SELECT ONLY IF REQUIRED):

SCT-108.005.11A	pH probe with 10 meter cable
SCT-108.002.AA	pH 4.00 Buffer solution - 500ml
SCT-108.002.AG	pH 7.00 Buffer solution - 500ml
SCT-108.002.AM	pH 10.01 Buffer solution - 500ml
SCT-108.002.CA	Electrode Storage solution - 500ml
SCT-108.005.11B	Mounting clamps

SCT ORP (OXIDATION REDUCTION POTENTIAL) MAXI CONTROLLERS

SALIENT FEATURES:

- SCT-ORP (Oxidation Reduction Potential) MAXI CONTROLLERS are designed with creativeness to get the elegance and produced with proper quality, and meets the specifications for the Water related applications with high level performance.
- SCT -ORP (Oxidation Reduction Potential) MAXI CONTROLLERS are supplied with the suitable electrode with SCT standard 10 meters cable.(new series).
- SCT-ORP (Oxidation Reduction Potential) MAXI CONTROLLERS are an industrial instrument used for online analysis and monitoring.
- SCT-ORP (Oxidation Reduction Potential) MAXI CONTROLLERS are made in a attractive pleasant colour with a Large and Clear blue white LCD Display
- SCT-ORP (Oxidation Reduction Potential) MAXI CONTROLLERS are Microprocessor based controllers, which gives stable and accurate readings.
- SCT-ORP (Oxidation Reduction Potential) MAXI CONTROLLERS uses Low power consumption and produces less internal heat.
- SCT-ORP (Oxidation Reduction Potential) MAXI CONTROLLERS has an isolated 4-20 mA current output.
- SCT-ORP (Oxidation Reduction Potential) MAXI CONTROLLERS proved to work continuously in any harsh environmental conditions for the In line measurement and control of accurate ORP value and it give the the direct measurement and readings .



TECHNICAL SPECIFICATIONS:

SCT PRODUCT NO SCT MODEL NO	SCT-108.005.12 SCT-ORP-MAXI
Measurement range	-1000~ +1000 mV
Accuracy	±2mV
Display mode	3½ bit LCD with BACKLIGHT
Output current	Isolate the active output of 4~20mA.
Output control	Dual-contact output with both higher and lower limits (normally-open and normally-close respectively)
Contact capacity	7A/250V AC (resistive load)
Length of the cable	10m
Screw size	3/4" pipe thread
Requirements on water samples	pressure: ≤0.3MPa Flow rate: ≤3 m/s
Power supply	AC 220V±10%; 50Hz
Environmental conditions	Temperature: 0~50°C Humidity: ≤85%RH
Overall dimension	96x96x120mm (Height x Width x Depth)
Face Opening	92x92mm
Installation method	Panel-mounted



ORDERING INFORMATION:

SCT-108.005.12	SCT-ORP-MAXI	SCT ORP MAXI CONTROLLER IS SUPPLIED WITH ORP SENSOR, FIXATION CLAMP AND INSTRUCTION MANUAL
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OPTIONAL ACCESSORIES (SELECT ONLY IF REQUIRED):

SCT-108.005.12A	ORP probe with 10 meter cable
SCT-108.002.DA	222mV ORP Standard Solution -250ML
SCT-108.002.CA	Electrode Storage solution – 500ml
SCT-108.005.12B	Mounting clamps
SCT-108.002.CA	Electrode Storage solution – 500ml

SCT-EC (ELECTRICAL CONDUCTIVITY) MAXI CONTROLLERS

SALIENT FEATURES:

- SCT-EC (Electrical Conductivity) MAXI CONTROLLERS are designed with creativeness to get the elegance and produced with proper quality , and meets the specifications for the Water related applications with high level performance .
- SCT-EC (Electrical Conductivity) MAXI CONTROLLERS are supplied with the suitable electrode with SCT standard 10 meters cable.(new series). 3 ranges of EC can be adjusted in a single controller and the ranges can be switched easily.
- SCT-EC (Electrical Conductivity) MAXI CONTROLLERS are an industrial instrument used for online analysis and monitoring.
- SCT-EC (Electrical Conductivity) MAXI CONTROLLERS are made in a attractive pleasant colour with a Large and Clear blue white LCD Display
- SCT-EC (Electrical Conductivity) MAXI CONTROLLERS are Microprocessor based controllers, which gives stable and accurate readings.
- SCT-EC (Electrical Conductivity) MAXI CONTROLLERS uses Low power consumption and produces less internal heat.
- SCT-EC (Electrical Conductivity) MAXI CONTROLLERS has an isolated 4-20 mA current output.
- SCT-EC (Electrical Conductivity) MAXI CONTROLLERS proved to work continuously in any harsh environmental conditions for the In line measurement and control of accurate EC value and it give the direct measurement and readings.



TECHNICAL SPECIFICATIONS:

SCT PRODUCT NO SCT MODEL NO	SCT-108.005.13 SCT-EC-MAXI
Measuring range (three-grade range, keyboard selection)	0~19.99, 0~199.9, 0~1999µs/cm
Display method	Liquid-crystal display with 3½ bit LCD segment code
Accuracy	1.5% (FS)
Stability	±2×10 ⁻³ (FS)/24h
Work pressure	0~0.5mpa
Media temperature	0~50°C
Temperature compensation	With 25°C as the reference point, digital compensation
Output current	Isolation of 4~20ma active output
Control output	Double contacts output of high limit (normally open) and low limit (normally closed)
Contact capacity	7A/250C ac (with resistance load)
Optional electrode	1.0cm-1 metal electrode
Cable length	5m in normal condition
Environment conditions	Temperature: 0~50°C; humidity: ≤85%rh
Power supply	AC 220v±10% 50hz
Overall dimension	96×96×120 mm (height x width x depth)
Face opening	92×92mm
Installation method	Panel-mounted



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ORDERING INFORMATION:

SCT-108.005.13	SCT-EC-MAXI	SCT CONDUCTIVITY MAXI CONTROLLER IS SUPPLIED WITH CONDUCTIVITY SENSOR, FIXATION CLAMPS AND INSTRUCTION MANUAL
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OPTIONAL ACCESSORIES (SELECT ONLY IF REQUIRED):

SCT-108.005.13A	Conductivity probe with 5 meter cable
SCT-108.002.BA	84 µS/cm conductivity standard solution 500ml
SCT-108.002.BD	1413 µS/cm conductivity standard solution 500ml
SCT-108.005.13B	Mounting clamps

SCT- TDS (TOTAL DISSOLVED SOLIDS) MAXI CONTROLLERS

SALIENT FEATURES:

- SCT -TDS (Total Dissolved Solids) MAXI CONTROLLERS are designed with creativeness to get the elegance and produced with proper quality , and meets the specifications for the Water related applications with high level performance .
- SCT -TDS (Total Dissolved Solids) MAXI CONTROLLERS are supplied with the suitable electrode with SCT standard 10 meters cable.(new series).
- SCT -TDS (Total Dissolved Solids) MAXI CONTROLLERS are an industrial instrument used for online analysis and monitoring.
- SCT -TDS (Total Dissolved Solids) MAXI CONTROLLERS are made in a attractive pleasant colour with a Large and Clear blue white LCD Display
- SCT -TDS (Total Dissolved Solids) MAXI CONTROLLERS are Microprocessor based controllers, which gives stable and accurate readings.
- SCT -TDS (Total Dissolved Solids) MAXI CONTROLLERS uses Low power consumption and produces less internal heat.
- SCT -TDS (Total Dissolved Solids) MAXI CONTROLLERS has an isolated 4-20 mA current output.
- SCT -TDS (Total Dissolved Solids) MAXI CONTROLLERS proved to work continuously in any harsh environmental conditions for the In line measurement and control of accurate TDS value and it give the direct measurement and readings .



TECHNICAL SPECIFICATIONS:

SCT PRODUCT NO	SCT-108.005.14
SCT MODEL NO	SCT-TDS-MAXI
Measuring range (three-grade range, keyboard selection)	0~19.99, 0~199.9, 0~1999 ppm
Display method	liquid-crystal display with 3½ bit LCD Segment code
Accuracy	1.5% (FS)
Stability	±2×10-3(FS)/24h
Work pressure	0~0.5MPa
Media temperature	0~50°C
Temperature compensation	with 25°C as the reference point, digital compensation
Output current	isolation of 4~20mA active output
Control output	double contacts output of high limit (normally open) and low limit (normally closed)
Contact capacity	7A/250V AC (with resistance load)
Optional electrode	1.0 cm-1 metal electrode
Cable length	5m in normal condition
Environment conditions	Temperature: 0~50°C; Humidity: ≤85%RH
Power supply	AC 220V±10% 50Hz
Overall dimension	96×96×120mm (height x width x depth)
Face opening	92×92mm
Installation method	panel-mounted



ORDERING INFORMATION:

SCT-108.005.14	SCT-TDS-MAXI	SCT TDS MAXI CONTROLLER SUPPLIED WITH TDS SENSOR, FIXATION CLAMP AND INSTRUCTION MANUAL
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* Please contact us for High Range (Upto 17500 ppm) TDS Controllers

OPTIONAL ACCESSORIES (SELECT ONLY IF REQUIRED)

SCT-108.005.14A	TDS probe with 5 meter cable
SCT-108.002.BA	84 µS/cm conductivity standard solution 500ml
SCT-108.002.BD	1413 µS/cm conductivity standard solution 500ml
SCT-108.005.14B	Mounting clamps

SCT CONDUCTIVITY MINI-HR CONTROLLER (HIGH RANGE)

SALIENT FEATURES:

- SCT –EC MINI-HR online Conductivity controller is an panel Instrument for online monitoring of Industrial process conductivity
- Simple and compact design
- Three ranges of conductivity measurements in on single controller
- Range switch over and constant check can be easily adjusted from the rear panel.
- Unique signal collecting and processing technology.
- Special think film circuit for accurate measurement and stable operations.
- Linearized data and automatic temperature compensations.
- In line measurement and control of conductivity.
- Conductivity electrode is supplied with 5 meter cable.



TECHNICAL SPECIFICATIONS:

SCT PRODUCT NO	SCT-108.005.05
SCT MODEL NO	SCT-EC-MINI-HR
Measuring range:	0~19.99mS/cm
Display	liquid-crystal display with 3½ bit LCD Segment code
Accuracy	1.5% (FS)
Stability	±2×10-3(FS)/24h
Work pressure	0~0.5MPa
Media temperature:	0~50°C
Temperature compensation:	with 25°C as the reference point, digital compensation
Optional electrode:	1.0cm-1, 1/2"pipe thread
Cable length:	5m in normal condition
Environment condition:	temperature: 0~50°C; humidity: ≤85%RH
Power supply:	AC 220V±10% 50Hz
Overall dimension:	48×96×100mm (height x width x depth)
Face opening:	45×92mm
Installation method:	panel-mounted

ORDERING INFORMATION:

SCT-108.005.05	SCT-EC-MINI-HR	SCT EC MINI-HR CONTROLLER IS SUPPLIED WITH CONDUCTIVITY PROBE, FIXATION CLAMPS & INSTRUCTION MANUAL.
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OPTIONAL ACCESSORIES (SELECT ONLY IF REQUIRED)

SCT-108.005.05A	Conductivity probe with 5 meter cable
SCT-108.002.BA	84 µS/cm conductivity standard solution 500ml
SCT-108.002.BD	1413 µS/cm conductivity standard solution 500ml
SCT-108.005.05B	Mounting clamps

SCT-EC (ELECTRICAL CONDUCTIVITY) MAXI-HR (HIGH RANGE) CONTROLLERS

SALIENT FEATURES:

- SCT-EC (Electrical Conductivity) MAXI-HR (High Range) CONTROLLERS are designed with creativeness to get the elegance and produced with proper quality, and meets the specifications for the Water related applications with high level performance.
- SCT-EC (Electrical Conductivity) MAXI-HR (High Range) CONTROLLERS are supplied with the suitable electrode with SCT standard 10 meters cable.(new series). 3 ranges of EC can be adjusted in a single controller and the ranges can be switched easily.
- SCT-EC (Electrical Conductivity) MAXI-HR (High Range) CONTROLLERS are an industrial instrument used for online analysis and monitoring.
- SCT-EC (Electrical Conductivity) MAXI-HR (High Range) CONTROLLERS are made in a attractive pleasant colour with a Large and Clear blue white LCD Display
- SCT-EC (Electrical Conductivity) MAXI-HR (High Range) CONTROLLERS are Microprocessor based controllers, which gives stable and accurate readings.
- SCT-EC (Electrical Conductivity) MAXI-HR (High Range) CONTROLLERS uses Low power consumption and produces less internal heat.
- SCT-EC (Electrical Conductivity) MAXI-HR (High Range) CONTROLLERS has an isolated 4-20 mA current output.
- SCT-EC (Electrical Conductivity) MAXI-HR (High Range) CONTROLLERS proved to work continuously in any harsh environmental conditions for the inline measurement and control of accurate EC value and it give the direct measurement and readings.



TECHNICAL SPECIFICATIONS:

SCT PRODUCT NO	SCT-108.005.15
SCT MODEL NO	SCT-EC-MAXI -HR
Measuring range	0~19.99mS/cm
Display method	Liquid-crystal display with 3½ bit LCD segment code
Accuracy	1.5% (FS)
Stability	±2×10-3(FS)/24h
Work pressure	0~0.5mpa
Media temperature	0~50°C
Temperature compensation	With 25°C as the reference point, digital compensation
Output current	Isolation of 4~20ma active output
Control output	Double contacts output of high limit (normally open) & low limit (normally closed)
Contact capacity	7A/250C ac (with resistance load)
Optional electrode	1.0cm-1 metal electrode
Cable length	5m in normal condition
Environment conditions	Temperature: 0~50°C; humidity: ≤85%rh
Power supply	AC 220v±10% 50hz
Overall dimension	96×96×120 mm (height x width x depth)
Face opening	92×92mm
Installation method	Panel-mounted

ORDERING INFORMATION:

SCT-108.005.15	SCT-EC-MAXI - HR	SCT CONDUCTIVITY MAXI CONTROLLER IS SUPPLIED WITH CONDUCTIVITY SENSOR, FIXATION CLAMPS AND INSTRUCTION MANUAL
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OPTIONAL ACCESSORIES (SELECT ONLY IF REQUIRED):

SCT-108.005.15A	Conductivity probe with 5 meter cable
SCT-108.002.BA	84 µS/cm conductivity standard solution 500ml
SCT-108.002.BD	1413 µS/cm conductivity standard solution 500ml
SCT-108.005.15B	Mounting clamps

SCT CHLORINE MAXI CONTROLLERS:

SALIENT FEATURES:

- SCT-CL (Chlorine) MAXI CONTROLLERS are designed with creativeness to get the elegance and produced with proper quality, and meets the specifications for the Water related applications with high level performance
- SCT-CL(Chlorine) MAXI controllers are an industrial instrument used for online analysis and monitoring.
- SCT-CL (Chlorine) MAXI CONTROLLERS are made in a attractive pleasant colour with a Large and Clear blue white LCD Display
- SCT-CL (Chlorine) MAXI CONTROLLERS has Microprocessor based controllers, which gives stable and accurate readings.
- SCT-CL (Chlorine) MAXI CONTROLLERS has Low power consumption and produces less internal heat.
- SCT-CL (Chlorine) MAXI CONTROLLER S has an isolated 4-20 mA current output
- SCT-CL (Chlorine) MAXI CONTROLLERS has a RS 485 communication interface
- SCT-CL (Chlorine) MAXI CONTROLLERS has an automated sensor cleaning control out put.
- SCT-CL (Chlorine) MAXI CONTROLLERS has a diaphragm polarographic electrodes. The electrode consists of cathode, anode, electrolyte and a layer of gas permeability diaphragm on the cathode. The measured residual chlorine diffuse to the cathode through diaphragm. The proper polarization voltage between the cathode and the anode, which can deoxidize the residual chlorine on the cathode. These chemical actions proportional to the residual chlorine which is in the measured medium. which gives reliable measurements.
- SCT-CL-(Chlorine) MAXI CONTROLLERS are panel mount type of controllers.
- SCT-CL-(Chlorine) MAXI CONTROLLERS proved to work continuously in any harsh environmental conditions for the In line measurement and control of accurate CHLORINE value.
- SCT-CL-(Chlorine) MAXI CONTROLLERS has a major advantage that, no reagents are used.it has the direct measurement and readings.



TECHNICAL SPECIFICATIONS:

SCT PRODUCT NO	SCT-108.005.26
SCT MODEL NO	SCT-CL-MAXI
Measuring range	0.00 ~ 19.99mg / L
Resolution	0.01mg / L
Zero point calibration range	2.00mg / L
Slope of the calibration range	20% ~ 180%
Temperature compensation	0 ~ 45°C (automatic or manual)
Relay control range	0.00 to 19.99
Automatic cleaning time	1s ~ 99m59s
Cleaning interval	1 ~ 720min
Output signal	4 ~ 20mA
Sensor type	Diaphragm polarographic sensor
Sensor cleaning	automatic cleaning control output
Serial communication	RS485 communication interface
Environmental conditions temperature	0~50°C
Humidity	≤85%RH
Overall dimension	96x96x120mm (Height x Width x Depth)
Dimension of the hole	92x92mm
Installation method	panel-mounted
Power supply	AC 220 / 240V 50 / 60Hz

ORDERING INFORMATIONS:

SCT-108.005.26	SCT-CL-MAXI	SCT CHLORINE CONTROLLER SUPPLIED WITH CHLORINE SENSOR, FIXATION CLAMP AND INSTRUCTION MANUAL
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SCT DISSOLVED OXYGEN MAXI CONTROLLERS

SALIENT FEATURES:

- SCT-DO-(dissolved Oxygen) MAXI CONTROLLERS are designed with creativeness to get the elegance and produced with proper quality, and meets the specifications for the Water related applications with high level performance
- SCT-DO-(dissolved Oxygen) MAXI CONTROLLERS are an industrial instrument used for online analysis and monitoring.
- SCT-DO-(dissolved Oxygen) MAXI CONTROLLERS are made in a attractive pleasant colour with a Large and Clear blue white LCD Display
- SCT-DO-(dissolved Oxygen) MAXI CONTROLLERS are Microprocessor based controllers, which gives stable and accurate readings.
- SCT-DO-(dissolved Oxygen) MAXI CONTROLLERS uses Low power consumption and produces less internal heat.
- SCT-DO-(dissolved Oxygen) MAXI CONTROLLERS are has the polarographic type DO electrode. This oxygen electrode is a diaphragm polarographic (clark) electrode. The conductivity electrolyte makes the polarization between cathode and anode. Between the cathode and the anode, the proper polarization voltage can deoxidize the O^2 at the Cathode electrode.

Cathode reaction: $O_2 + 2H_2O + 4e^- \rightarrow 4OH^-$

Anode reaction : $4Ag + 4Cl^- \rightarrow 4AgCl + 4e^-$

These chemical reactions produce the current which is proportional to the O_2 in the test solution.

- SCT-DO-(dissolved Oxygen) MAXI CONTROLLERS has an isolated 4-20 mA current output
- SCT-DO-(dissolved Oxygen) MAXI CONTROLLERS are panel mount type of controllers.
- SCT-DO-(dissolved Oxygen) MAXI CONTROLLERS proved to work continuously in any harsh environmental conditions for the In line measurement and control of accurate CHLORINE value.
- SCT-DO-(dissolved Oxygen) MAXI CONTROLLERS has a major advantage that, no reagents are used.it has the direct measurement and readings..



TECHNICAL SPECIFICATIONS:

SCT PRODUCT NO.	SCT-108.005.31
SCT MODEL NO.	SCT-DO-MAXI
Measuring range	0.00 ~ 19.99mg / L
Resolution	0.01mg / L
Temperature compensation	0.0 ~ 45.0°C (automatic or manual)
Output signal	4 ~ 20mA
Control output mode	ON / OFF relay output contacts
Current output load	maximum allowable load of 500Ω
Environmental conditions temperature	0~50°C
Humidity	≤85%RH
Overall dimension	96x96x120mm (Height x Width x Depth)
Dimension of the hole	92x92mm
Installation method	panel-mounted
Power supply	AC 220 / 240V 50 / 60Hz

ORDERING INFORMATIONS:

SCT-108.005.31	SCT-DO-MAXI	SCT DISSOLVED OXYGEN CONTROLLER SUPPLIED WITH DO SENSOR, FIXATION CLAMP AND INSTRUCTION MANUAL
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SCT RED ROCK DOSING PUMPS

In order to support our customers who are using many of our process water controllers, Our research and development has decided to develop the metering dosing pumps to deliver the precise accurate delivery of various process chemical liquids and solutions. The demand for the good quality pumps have increased a lot in the past decade due to various process related water purifications, water treatment and various dosing applications such as reagent dosing in mineral processing, dosing disinfectants in drinking water purifications, Pure water preparations in industrial cooling applications and pH adjustment applications and other dosings like polyacrylamide, bleaching & electroplating chemicals and petro chemicals etc.,



The ScichemTech's "RED ROCK" Dosing Pumps are designed to match the requirements of various international standards. Our pumps are manufactured as per the BS 7782-1996 standards to match various international customers needs. Our R & D designed these diaphragm metering pumps to deliver the various chemicals, solutions and other related solutions with maximum discharge pressure and adjustable flow rates of the media (solutions), this makes our pumps could be used for various precise and general applications in the water, chemical and other industries.

In general, we have categorized our pumps in to two categories like ..simple and general dosing, The SCT-SOFT series Solenoid diaphragm metering dosing pumps which mainly caters the general dosing and simple applications. And the next one SCT-HARD series Electromagnetic diaphragm metering dosing pumps with automatic control of the flowrate of the medium using their pulse signals with the external control. In this series the 4-20mA analog signals output is possible with proper flow control of the liquid from 0 – 100%. Both the series we have made the flow rates from 0.5 Liters /hour (max pressure 12 bar) till 20 Liters /hour (pressure of 1.5 bar). However, we can supply pumps with flowrate up to 34 Liters / hour. All our pumps are 100% made as per IP65 (completely sealed) class to ensure the user's safety as the priority. And also all our pumps are supplied completely with the tube, injection valves, foot valves and the strainer. In the following pages you will find the other salient features and the technical specifications of the all our SCT "RED-ROCK" Dosing pumps.

SCT RED ROCK SOFT SERIES SOLENOID DIAPHRAGM METERING DOSING PUMPS

SALIENT FEATURES:

- SCT "RED ROCK-SOFT" Dosing pumps are designed and manufactured as per BS 7782-1996 and meets the international standards.
- SCT "RED ROCK-SOFT" Dosing pumps have Programmable high precision microprocessor control with digital display and with suitable keys, for easy adjustment and operations.
- SCT "RED ROCK-SOFT" Dosing pumps have the flow rate control from 0.5 L/H till 34 L/H with 12.0 to 1.0 bar respectively.
- SCT "RED ROCK-SOFT" Dosing pumps are made of polypropylene housing and PTFE diaphragm
- SCT "RED ROCK-SOFT" Dosing pumps have the pump's head made of reinforced Poly Propylene as standard and other materials such as PVC, PVDF and 316 Stainless steel are available as an optional in the SCT "RED ROCK-HARD" series in the following section.
- SCT "RED ROCK-SOFT" Dosing pumps are made as per IP 65 safety regulations.
- SCT "RED ROCK-SOFT" Dosing pumps have the stroke frequency from 160 to 200 strokes per minute.
- SCT "RED ROCK-SOFT" Dosing pumps are suitable for all the general chemical and water treatment solutions which is compatible with Polypropylene as a standard.
- SCT "RED ROCK-SOFT" Dosing pumps can be easily mounted on any dosing tanks or can be fixed in any angle.
- SCT "RED ROCK-SOFT" Dosing pump weighs 2.8 to 3.0 Kgs net (unpacked) and the approximate dimensions of Height 190 – 200 mm x Width 105-110 mm x Length 190-200 mm.
- SCT "RED ROCK-SOFT" Dosing pumps consumes 30 to 50 watts power and operates in 220-240 volts, 50-60 Hz frequency.



TECHNICAL SPECIFICATIONS / ORDERING INFORMATION : (PLS. REFER THE PRODUCT NUMBERS)

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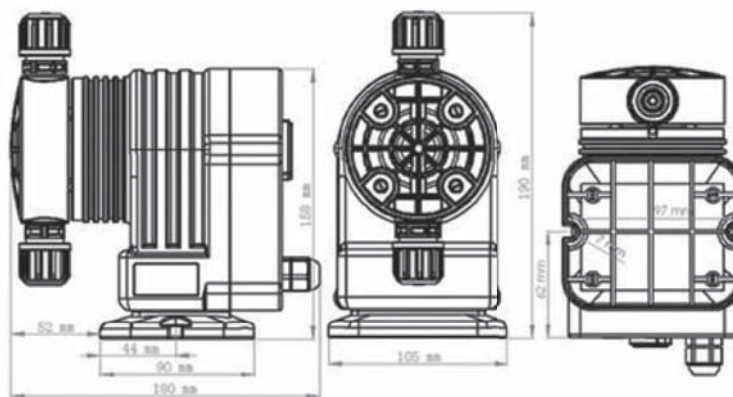
SCT PRODUCT NO.	Maximum Flow Rate (Liters / Hour)	Maximum Discharge Pressure (Bars)	SCT Pump's suction diameter / Caliber (mm)	SCT-Dosing Pump's frequency (Strokes /Minute)	SCT-Dosing Pump's head	SCT Dosing pumps - power usage in watts
SCT-108.006.01	0.5 L /H	12 Bars	6 mm	160	RPP	35 watts
SCT-108.006.02	1.0 L/H	12 Bars	6 mm	160	RPP	35 watts
SCT-108.006.03	3.0 L/H	8.0 Bars	6 mm	200	RPP	46 watts
SCT-108.006.04	5.0 L/H	4.0 Bars	6 mm	200	RPP	46 watts
SCT-108.006.05	7.0 L/H	3.5 Bars	6 mm	200	RPP	46 watts
SCT-108.006.06	10 L/H	3.0 Bars	6 mm	200	RPP	46 watts
SCT-108.006.07	14 L/H	1.7 Bars	6 mm	200	RPP	50 watts
SCT-108.006.08	20 L/H	1.5 Bars	6 mm	200	RPP	50 watts
SCT-108.006.09	25 L/H	1.2 Bars	6 mm	200	RPP	50 watts
SCT-108.006.10	34 L/H	1.0 Bar	6 mm	200	RPP	50 watts

- All the SCT RedRock pumps are supplied with the tube, injection valve, foot valve and strainer.

SCT "RED ROCK" HARD SERIES ELECTROMAGNETIC SOLENOID DIAPHRAGM METERING DOSING PUMPS

SALIENT FEATURES:

- SCT "RED ROCK-HARD" Dosing pumps designed and manufactured as per BS 7782-1996 and meets the international standards.
- SCT "RED ROCK-HARD" Dosing pumps have Programmable high precision microprocessor control with digital display and with suitable keys, for easy adjustment and operations.
- SCT "RED ROCK-HARD" Dosing pumps have the flow rate control from 0.5 L/H till 34 L/H with 12.0 to 1.0 bar respectively.
- SCT "RED ROCK-HARD" Dosing pumps can be easily mounted on any dosing tanks or can be fixed in any angle.
- SCT "RED ROCK-HARD" Dosing pumps are made of polypropylene housing and PTFE diaphragm
- SCT "RED ROCK-HARD" Dosing pumps have the pump's head made of reinforced Poly Propylene as standard and other materials such as PVC, PVDF and 316 Stainless steel as optional.
- SCT "RED ROCK-HARD" Dosing pumps are made as per IP 65 safety regulations.
- SCT "RED ROCK-HARD" Dosing pumps have the stroke frequency from 160 to 200 strokes per minute.
- SCT "RED ROCK-HARD" Dosing pumps are suitable for all the general chemical and water treatment solutions which is compatible with Polypropylene as a standard.
- SCT "RED ROCK-HARD" Dosing pumps receive the pulse signal to control the flow rate of the pump outside automatically by external control joint (5 core)
- SCT "RED ROCK-HARD" Dosing pumps may receive 4-20 mA, 20-4 mA, analogue signals to control 0-100% or 100-0% the flow rate of the pump outside automatically by external control joint (5 core)
- SCT "RED ROCK-HARD" Dosing pumps will alarm and stop working when optional control function of the switch connected to the level switches interface (2 core), liquid level is too low.
- SCT "RED ROCK-HARD" Dosing pump weighs 2.8 to 3.0 Kgs net (unpacked) and the approximate dimensions of Height 190 – 200 mm x Width 105-110 mm x Length 190-200 mm.
- SCT "RED ROCK-HARD" Dosing pumps consumes 30 to 50 watts power and operates in 220-240 volts, 50-60 Hz frequency.



TECHNICAL SPECIFICATIONS / ORDERING INFORMATION (PLS. REFER THE PRODUCT NUMBERS)

SCT PRODUCT NO.	SCT-Dosing Pump's head	Maximum Flow Rate (Liters / Hour)	Maximum Discharge Pressure (Bars)	SCT Pump's suction diameter / Caliber (mm)	Signal out put for the automatic control	SCT-Dosing Pump's frequency (Strokes /Minute)	SCT-Dosing Pump's head	SCT PRODUCT NO. For pump's head made of PVDF
SCT-108.006.21	RPP	0.5 L/H	12 Bars	6 mm	4-20 mA	160	PVDF	SCT-108.006.41
SCT-108.006.22	RPP	1.0 L/H	12 Bars	6 mm	4-20 mA	160	PVDF	SCT-108.006.42
SCT-108.006.23	RPP	3.0 L/H	8.0 Bars	6 mm	4-20 mA	200	PVDF	SCT-108.006.43
SCT-108.006.24	RPP	5.0 L/H	4.0 Bars	6 mm	4-20 mA	200	PVDF	SCT-108.006.44
SCT-108.006.25	RPP	7.0 L/H	3.5 Bars	6 mm	4-20 mA	200	PVDF	SCT-108.006.45
SCT-108.006.26	RPP	10 L/H	3.0 Bars	6 mm	4-20 mA	200	PVDF	SCT-108.006.46
SCT-108.006.27	RPP	14 L/H	1.7 Bars	6 mm	4-20 mA	200	PVDF	SCT-108.006.47
SCT-108.006.28	RPP	20 L/H	1.5 Bars	6 mm	4-20 mA	200	PVDF	SCT-108.006.48
SCT-108.006.29	RPP	25 L/H	1.2 Bars	6 mm	4-20 mA	200	PVDF	SCT-108.006.49
SCT-108.006.30	RPP	34 L/H	1.0 Bar	6 mm	4-20 mA	200	PVDF	SCT-108.006.50

- All the SCT RedRock pumps are supplied with the tube, injection valve, foot valve and strainer.

SCT SHEAR CHEMICALS MIXING AGITATORS

SALIENT FEATURES:

- SCT Dosing Chemicals Mixer is manufactured with simple design with all the international standards
- SCT Dosing Chemicals Mixer operates between 80 to 120 rpm (rotation per minute)
- SCT Dosing Chemicals Mixer is suitable for any chemical or liquids with different viscosities.
- SCT Dosing Chemicals Mixer has the propeller and shafts made of Stainless steel – SS 304, lined with plastic coating.
- SCT Dosing Chemicals Mixer is protected as per IP 55 safety class
- SCT Dosing Chemicals Mixer is suitable many applications such as mixing of any water treatment chemicals, solutions ,pharmaceutical solutions and any chemical solutions compatible with the stainless steel.
- SCT Dosing Chemicals Mixer operates at 380 volts, with 50-60 Hz , 3 phase line.

TECHNICAL SPECIFICATIONS :

SCT PRODUCT NO.	DOSING TANK CAPACITY	SHAFT LENGTH (mm)	REVOLVING SPEED (rpm)	BLADES	POWER WATTS	VOTLAGE (VOLTS)
SCT-108.006.70	100 Litres	650	80	Stainless Steel with plastic coating	180 W	380 V
SCT-108.006.71	200 Litres	800	80-120	Stainless Steel with plastic coating	250 W	380 V
SCT-108.006.72	500 Litres	1000	80-120	Stainless Steel with plastic coating	550 W	380 V

ORDERING INFORMATIONS:

SCT-108.006.70	SCT-SHEAR-1	SCT Dosing Chemicals Mixer for 100 litre dosing tank supplied with shaft length 650 mm, Revolving speed (rpm) 80, with stainless steel plastic coating blade.
SCT-108.006.71	SCT-SHEAR-2	SCT Dosing Chemicals Mixer for 200 litre dosing tank supplied with shaft length 800 mm, Revolving speed (rpm) 80-120, with stainless steel plastic coating blade.
SCT-108.006.72	SCT-SHEAR-3	SCT Dosing Chemicals Mixer for 500 litre dosing tank supplied with shaft length 1000 mm, Revolving speed (rpm) 80-120, with stainless steel plastic coating blade.



SCT DOSING TANKS

SALIENT FEATURES:

SCT DOSING TANKS ARE WITH RED SCREW FITTING LID WITH A RAISED SECTION TO MOUNT DOSING PUMPS, MIXERS , LEVEL SENSORS ETC. MADE OF HIGH QUALITY LDPE (LOW DENSITY POLYETHYLENE) CYLINDRICAL IN SHAPE

TECHNICAL SPECIFICATIONS:

SCT PRODUCT NO	SCT-108.007.01	SCT-108.007.02	SCT-108.007.03
SCT MODEL NO	SCT-TANK-1	SCT-TANK-2	SCT-TANK-3
CAPACITY	100 LITRE	200 LITRE	500LITRE
GRADUATIONS	YES	YES	NO
THICKNESS	4.5 MM THICKNESS	5 MM THICKNESS	6 MM THICKNESS
MATERIAL	LDPE (LOW DENSITY POLYETHYLENE)		
COLOUR	WHITE IN COLOUR WITH RED LID		
SHAPE	CYLINDRICAL IN SHAPE		
HEIGHT	75 CMS	93 CMS	111.5CM
BOTTOM DIA	46 CMS	58 CMS	80CM
TOP OPENING	12 CMS	12 CMS	12CM



ORDERING INFORMATIONS:

SCT-108.007.01	SCT-TANK-1	SCT DOSING TANK (LDPE) – 100 LITRES
SCT-108.007.02	SCT-TANK-2	SCT DOSING TANK (LDPE) – 200 LITRES
SCT-108.007.03	SCT-TANK-3	SCT DOSING TANK (LDPE) – 500 LITRES

- Other tank sizes upon request. Pls. contact us.

ScichemTech® - SCT - PRESSURE GAUGES

SCT BOURDON SPRING PRESSURE GAUGES AYTN - SERIES LIQUID FILLED PRESSURE GAUGES

AYTN- Series liquid filled pressure gauge fill damping fluid (silicone oil, glycerol) in the gauge and other measures to ensure that it has excellent function of impact resistance and aseismatic. So it is safe and reliable, with stable performance and long useful-life. It is applicable to mechanical, chemical, metallurgy, mine, electrical. Measure the pressure of medium is non-corrosive for copper and alloy. If measure the pressure of high corrosive medium, all material of pressure gauge must be stainless steel.



Diameter	Model	Installation	Measure Range (MPa)	Screw Thread	Case material	Accuracy
1 1/2"	SCT-AYTN-40	Bottom connection	0.1 0.16 0.25	G1/8"	SS 304	±2.5
	SCT-AYTN-40Z	Back connection	0.4 0.6 1	ZG1/8"		
	SCT-AYTN-40ZT	Back connection with border	1.6 2.5 4	Z1/8"		
			6	M10×1		



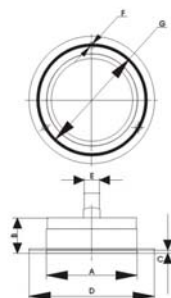
Diameter	Model	Installation	Measure Range (MPa)	Screw Thread	Case material	Accuracy
2"	SCT-AYTN-50	Bottom connection	0.1 0.16 0.25	G1/8"	SS 304	±2.5
	SCT-AYTN-50Z	Back connection	0.4 0.6 1	G1/4"		
	SCT-AYTN-50ZT	Back connection with border	1.6 2.5 4	ZG1/4"		
			6 10 16	Z1/8"		
			25 40	Z1/4"		
				M14×1.5		



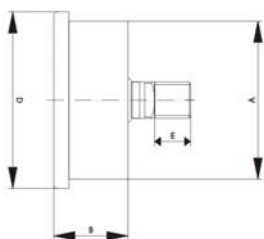
Diameter	Model	Installation	Measure Range (MPa)	Screw Thread	Case material	Accuracy
2 1/2"	SCT-AYTN-60	Bottom connection	0.1 0.16 0.25	G1/8"	SS 304	±2.5
	SCT-AYTN-60Z	Back connection	0.4 0.6 1	G1/4"		
	SCT-AYTN-60ZT	Back connection with border	1.6 2.5 4	ZG1/4"		
			6 10 16	Z1/8"		
			25 40 60	Z1/4"		
				M14×1.5		

Note: G=BSP ZG=BSPT Z=NPT

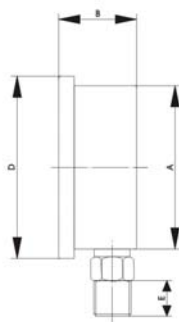
SCT-AYTN - SERIES LIQUID FILLED PRESSURE GAUGES



Diameter	Model	Installation	Measure Range (MPa)	Screw Thread	Case material	Accuracy
3"	SCT-AYTN-75	Bottom connection	0.1 0.16 0.25	G1/8"	SS 304	±2.5
	SCT-AYTN-75Z	Back connection	0.4 0.6 1	G1/4"		
			1.6 2.5 4	ZG1/4"		
			6 10 16	Z1/8"		
	SCT-AYTN-75ZT	Back connection with border	25 40 60	Z1/4"	M14×1.5	



Diameter	Model	Installation	Measure Range (MPa)	Screw Thread	Case material	Accuracy
4"	SCT-AYTN-100	Bottom connection	0.1 0.16 0.25	G1/2"	SS 304	±1.6
	SCT-AYTN-100Z	Back connection	0.4 0.6 1	ZG1/2"		
			1.6 2.5 4	ZG3/8"		
			6 10 16	Z1/2"		
	SCT-AYTN-100ZT	Back connection with border	25 40 60	Z3/8"	M20×1.5	



Installation Size

Model	40	50	63	75	100
A	42	58	63	82	109
B	26	29	31	31	37
C	3	3	3	3	3
D	62	73	88	105	130
E	11	14	14	14	17
F	3.5	4	5	5	4
G	52	64	78	91	115

Working condition of liquid filled pressure gauge

Note: G=BSPT ZG=BSPT Z=NPT

- 1) Environment Temperature - 40°C ~ + 70°C.
- 2) The values of working pressure tested under static pressure conditions should be within 1/3 to 3/4 of the upper limit of the pressure; and the values of working pressure tested undersurge pressure conditions should be within 1/3 to 2/3 of the upper limit of the pressure.
- 3) Relative Humidity ≤ 80 %.
- 4) The swings of vibration frequency under working modes should be no more than 25Hz and no more than the medium vibration of 1mm.
- 5) Gauge must be installed vertical, do not turn the case by hand when installation and disassembly.

ScichemTech - SCT[®] FLOWMETERS

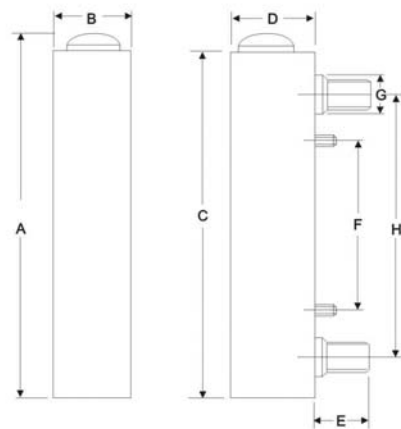
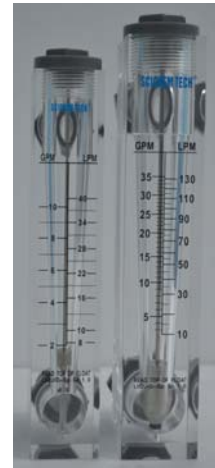


SCT - ZV SERIES FLOWMETERS

Technical Parameters of SCT-ZV series Flow Meter

Model	Measure Range			Screw thread	Accuracy
	GPM (Liquid)	LPM (Liquid)	Nm ³ /h (Gas)		
SCT- ZV-6T		15-150LPH	0.1-1 0.3-3 0.4-4	ZG1/2" 1/2" BSPT	
SCT- ZV-15Z		10-100LPH	0.04-0.4 0.1-1 0.16-1.6 0.24-3 0.25-2.5 0.4-4 0.6-6 0.8-8 1-10 1.6-16 1.8-18 2-20 2.4-24 2.5-25 3-30 4-40	ZG1/2" 1/2" BSPT	±4%
		16-160LPH			
		25-250LPH			
	0.03-0.35	0.1-1.4			
	0.05-0.5	0.2-1.8			
	0.1-1	0.5-4			
	0.15-1.5	0.6-6			
	0.2-2	1-7			
	0.3-3	1-11			
SCT- ZV-25Z		5-35	2.5-25 4-40 6-60 10-100 20-100 16-160 25-250 30-300 35-350	ZG1" 1" BSPT	±4%
		1-15			
		2-14			
		2-20			
		5-35			
		5-40			
		5-45			
		0.3-2.1m ³ /h			
		0.6-3m ³ /h			
		0.6-4.2m ³ /h			

This series flowmeter has two models, it featured in good look, with semicircle fittings and white colored tape, and there are two screws can easy installed on panel.



The outline size of SCT-ZV series Flow Meter

Mo Model	Size (mm)							
	A	B	C	D	E	F	G	H
SCT- ZV -15ZA	157	32	150	35	25	60	25	110
SCT- ZV -15Z	175	32	168	35	25	76	25	127
SCT- ZV -25Z	234	45	226	46	33	100	37	160

The material and code of the parts of SCT-ZV series Flow Meter

Fitting	Float	O-ring
✓1 ABS	✓1 SS	✓1 Silicon rubber
2 PP	2 Acrylic	2 Fluorin rubber
3 PVC	3 Agate ball	
4 Brass	4 PTFE	
5 Brass chromeplate		
6 SS		

For order: please specify the model, specification and code

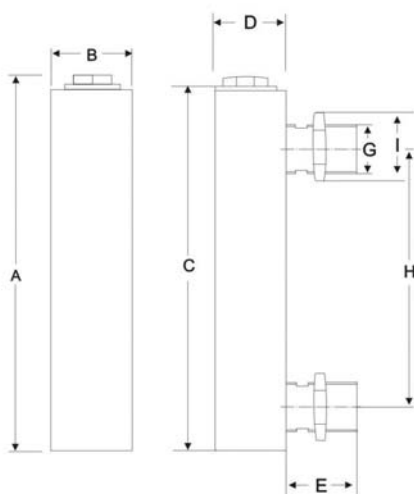
Model Regulating Valve Measuring Range Material of the fitting Material of the O-ring

SCT- ZV — ☐ Z

SCT - JZ SERIES FLOWMETERS



Model	Measure Range			Screw thread	Accuracy
	GPM (Liquid)	LPM (Liquid)	Nm³/h (Gas)		
SCT-JZ-15J	0.1-1	0.5-4	1-10 1.6-16 4-40	Z1/2" G1/2" 1/2" NPT 1/2" BSP	±4%
	0.2-2	0.8-8			
	0.5-5	2-18			
	1-7	2-28			
	1.5-9	400-2000LPH			
SCT-JZ-20J	2-10	8-40	6-60 16-80 16-160	Z3/4" G3/4" 3/4" NPT 3/4" BSP	
	2-16	8-60			
	2-20	8-80			
SCT-JZ-25J	1.5-15	6-60	20-200 25-250	Z1" G1" 1" NPT 1" BSP	
	3-13	10-50			
	4-24	10-100			
	5-35	10-130			
	5-45	20-170			



The outline size of SCT-JZ series Flow Meter

Model	Size (mm)								
	A	B	C	D	E	F	G	H	I
	216	32	206	37	33	100	1/2"	165	30
	233	39	220	44	49	100	3/4"	165	32
	253	44	240	50	48	100	1"	175	40

SCT-JZ serial flow meteris derive form SCT-ZV serial flow meter,
It has lengthen, which is installed onthe panel,
the customer will fix it by hexagonal nut on the fitting.
The measure range of SCT-JZ and SCT-ZV series is same

For Order: please specify the model, specification and code

Model Regulating Valve Measuring Range Material of the fitting Material of the O-ring
SCT-JZ — ☐ J

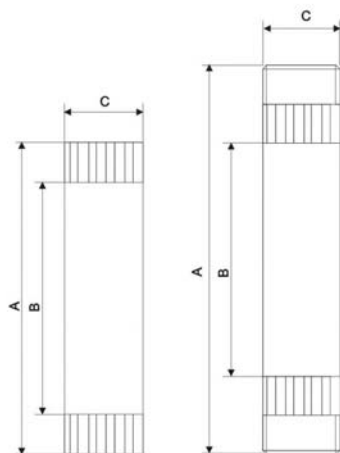
The material and code of the parts of SCT-JZ series Flow Meter

With Valve	Valve	Fitting	Float	O-ring
T- with O- No	Brass ✓ SS	✓ 1- ABS 2- PP 3- PVC 4- Brass 5- Brass chromepl ate 6- SS	✓ 1 SS 2 Acrylic 3 Agate ball 4 PTFE	✓ 1- Silicon rubber 2- Fluorin rubber 3- Butyl

Fix by fitting



SCT - GV SERIES FLOWMETERS



The outline size of SCT-GV-G,GF series Flow Meter

Model	Size (mm)		
	A	B	C
SCT-GV-10G	187	130	22
SCT-GV-15G	210	180	32
SCT-GV-20G	278	236	45
SCT-GV-25G	265	235	51
SCT-GV-40G	306	235	51
SCT-GV-50G	380	270	75
SCT-GV-75G	392	298	110x110



Technical Parameters of SCT-GV series Tube Type Flow Meter

Model	Measure Range			Screw thread	Accuracy
	GPM (Liquid)	LPM (Liquid)	Nm³/h (Gas)		
SCT-GV-10G		5-45LPH 6-60LPH 10-100LPH 16-160LPH		1/2" BSP (M) NPT	±4%
SCT-GV-15G	0.1-1	0.5-4	0.8-8 1-10	1/2" BSP (F)	
	0.2-2	1-7	1.6-16 2.5-25		
	0.5-5	1.8-18	4-40		
	1.5-9	400-2000LPH			
SCT-GV-20G	1-10	4-36	6-60	3/4" BSP (F)	
		100-1000LPH			
SCT-GV-25G SCT-GV-40G	1-10	4-36	6-60 10-100 15-140 16-160 25-250 35-350 80-400	25G 1" BSP (F) ----- 40G 1½" BSP (M)	
	1-15	5-60			
	2-20	10-70			
	5-30	20-110			
	5-40	20-150			
	5-45	20-170			
SCT-GV-50G	20-60	80-220	100-500 120-600 300-850 400-1200 500-1400	2" BSP (F/M)	
	20-80	80-300			
	20-100	80-360			
	40-120	150-450			
	50-150	190-560			
SCT-GV-75G	60-200	220-750		3" BSP (F)	
	120-300	450-1100			

The material and code of the parts of SCT-GV series Flow Meter

Fitting	Float	O-ring
✓ 1 ABS 2 PP 3 PVC 4 Brass 5 Brass chromeplate 6 SS	✓ 1 SS	✓ 1 Silicon rubber 2 Fluorin rubber

Note: For customers convenience, we design two constructions for the series flowmeter, one is circular, and the other one is quadrate, their measure range is same.

SCT-GV-G Circular tube type flowmeter

SCT-GV-GF Quadrate tube type flowmeter

For Order: please specify the model, specification and code.

Model Measuring Range Material of the fitting Material of the O-ring

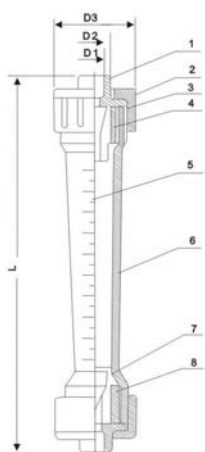
SCT-GV- G

SCT - SZ SERIES PLASTIC TUBE TYPE ROTAMETERS

Technical parameters of SCT-SZ Series

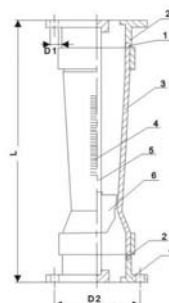
The structure of
SCT-SZ-15-65

- 1、Joint pipe
- 2、Screw cap
- 3、O- seal ring
- 4、Stop Plate(up)
- 5、Scale
- 6、Taper tube
- 7、Float
- 8、StopPlate (down)



The structure chart of
SCT-SZ-100-125-150

- 1、Flange
- 2、O- seal ring
- 3、Taper Tube
- 4、Scale
- 5、Leader
- 6、Float



Model	Diameter (DN)mm	Measure Range		Accuracy	Media State	
		Long Tube Type	Short Tube Type		°C Temperature	MPa Pressure
SCT-SZ-15	15	10-100l/h 16-160l/h 25-250l/h 40-400l/h 60-600l/h	5-50l/h 10-100l/h 16-160l/h 25-250l/h 40-400l/h 50-500l/h 60-600l/h 100-1000l/h	±4%	0-60	≤0.6
SCT-SZ-25	25	100-1000l/h 160-1600l/h 250-2500l/h	100-1000l/h 160-1600l/h 4-40l/min 250-2500l/h			
SCT-SZ-32	32		0.4-4m³/h 0.6-6m³/h			
SCT-SZ-50	50	0.4-4m³/h 0.6-6m³/h 1-10m³/h 1.6-16m³/h	1-10m³/h 1.6-16m³/h			
SCT-SZ-65	65		2.5-16m³/h 5-25m³/h 8-40m³/h 12-60m³/h			
SCT-SZ-100	100		14-90m³/h 16-120m³/h			
SCT-SZ-125	125		20-150m³/h 25-180m³/h			
SCT-SZ-150	150		14-90m³/h 18-120m³/h 20-150m³/h 25-180m³/h 25-200m³/h			

The drawing and installation size of SCT-SZ Durable Plastic Tube Type
Rotameter Flow Meter

Model	Size (mm)								Suit Pipe Dg(mm)
	Long Tube Type				Short Tube Type				
	L	D1	D2	D3	L	D1	D2	D3	
SCT-SZ-15	280	20	26	45	202	20	26	45	15 / 20
SCT-SZ-25	380	32	39	68	226	32	39	60	25 / 32
SCT-SZ-32					288	40	49.5	74	32 / 40
SCT-SZ-50	430	63	73	98	341	63	73	98	50 / 63
SCT-SZ-65					430	75	88	122	65 / 75
SCT-SZ-100					550	17	175		100
SCT-SZ-125					550	17	205		125
SCT-SZ-150					560	21	240		150

The material of SCT-SZ-part

Taper tube is AS. Pipe, Screw Cap, Setting, Float is ABS. SCT-SZ-C Long Tube Type SCT-SZ-D Short Tube Type



SCT-ZVL SERIES VARIABLE-AREA FLOWMETERS

SCT-ZVL Series Variable-area Flow -meter With Metallic Measuring Tube has the characteristics of simple construct,work reliable,widely used,high precision,convenient installing. Compared with the Variable-area Flow-meter with Glass Tube, this Series has the characteristics of high-pressure proof,high-temperature proof,safety,ocular reading ets.

Main Technical Parameters



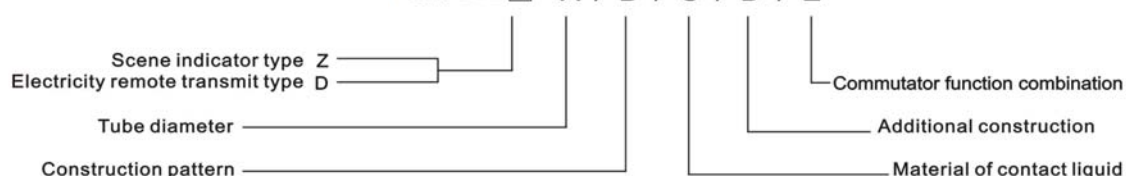
Measure Range	Water (20℃) (2.5~10000) L/h Air(20℃ , 1.101325MPa)(0.07~750)m³/h
Range Ratio	10:1
Accurate Degree	1.5 2.5
Fluid Working Pressure	DN15~DN50: 4.0MPa;DN80~DN100:1.6MPa
Coat Working Pressure	1.6MPa
Fluid Working Temperature	-80℃~+200℃(PTFE < +85℃) (For Model PTFE < +85℃)
Connection Type	(Flange connection or screw thread connection, flange standard refer to GB/T9119;ANSI 150lbs, 300lbs; HG20592~20635; Other standard flange can be made by the user' s requirement.)
Environment Temperature	-25℃~+55℃
Medium Viscidity	Dn15 < 5MPa.s; DN25~DN100 < 250MPa.s
Electricity Signal Output	Output Signal:(4~20mA)
	Linear Accuracy:1%
	Temperature Influence:0.5%/10℃
	Power Supply:(13~30)V DC
	Power Supply Consume: < 250mW
Restrict Alarm	Power Supply :220 (± 10%) V DC
	Power Loss: < 3W
	Working Temperature:-25℃~60℃
Explosion-proof Gr	Ib II CT5

Construction Pattern

Down in,up out.	Level in and out.	In and out in the same side.	In and out in the different side.	Bottom in side out.
Y10	Y20	Y30	Y40	Y50

Note:The arrow shows medium's flow direction.

Model Selection Guide SCT-ZVL □ - A / B / C / D / E



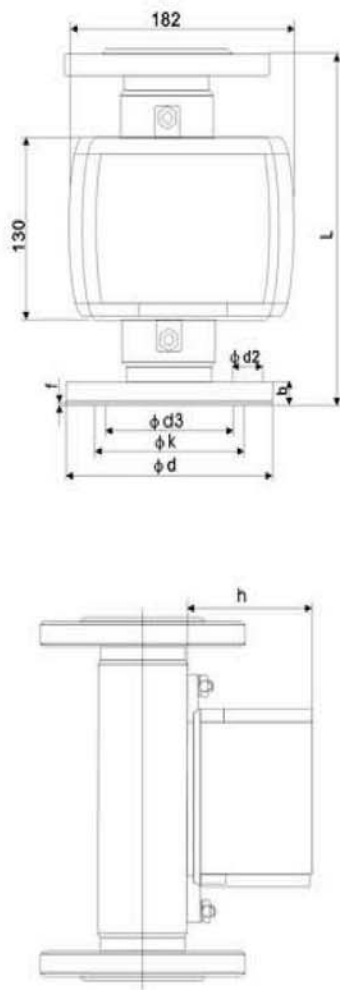
Model Selection and Instruction

Tube diameter	Construction pattern		Material of contact liquid		Additional construction	
A	B	The flow direction of medium	C		D	
DN15	Y10	Down in,up out.	RRO	0Cr18Ni12Mo2Ti	F	Corrosion resistant type
DN25	Y20	Level in and out.	RR1	1Cr18Ni9Ti	T	Keeper type
DN50	Y30	In and out in the same side.	RP	PTFE	Z	Damp type
DN80	Y40	In and out in the different side.	Ti	Titamium	G	High temperature type
DN100	Y50	Bottom in side out.	RL	316L	Y	High pressure type
DN125					B	Flame proof type
DN150						

Commutator function Combination

Commutator function Combination E	Function
Es1	Remote transmit 4-20mA standard electricity signal, essence safe, explosion-proof sign ib II CT5, safe equipent's type is LB9006
Es2	Remote transmit 4-20mA standard electricity signal
K1	Output with an upper limit alarm
K2	Output with on lower limit alarm
K12	Output with an upper limit alarm and a lower limit alarm
JsB	Locale battery supply power, LCD indicate instantaneous flow and accumulative flow, Essence safe.
JsC	220V AC suppl power, LCD indicate instantaneous flow and accumulative flow
JsD	24V DC supply power, LCD indicate instantaneons flow and accumulative flow, essence safe
JsE	24V DC supply power, LCD indicate instantaneons flow and accumulative flow, output(4~20)mA sandard electricity signal to transmit instantameous flow, essence safe.

Note:Es1 type transmit. instantaneous flow signal to corner changer by a com which is has the same axes with a pointer, output direct ratio linear electricity signal; Es2 type is noncontact style it ouput linear electricity signal which is direct ratio with instantaneous flow by magnetism sensitive component and singleshio software.



Anticorrosion Diameter	Normal Diameter	Measure Range		Maximum Pressure Loss	
DN (mm)	DN (mm)	Air 20℃ m³/h	Water l/h	Air (KPa)	Water (KPa)
15 20	15 20	0.05~0.5	1.6~16	7.0	6.4
		0.07~0.7	2.5~25	7.1	6.5
		0.11~1.1	4.0~40	7.2	6.5
		0.18~1.8	6.0~60	7.3	6.6
		0.28~2.8	10~100	7.5	6.6
		0.40~4.0	16~160	8.0	6.8
		0.70~7.0	25~250	10.8	7.2
		1.00~10	40~400	10	8.6
		1.60~16	60~600	14	11.1
25	25		80~800		14
		3.00~30	100~1000	7.7	7.0
		4.50~45	160~1600	8.8	8.0
		7.00~70	250~2500	12	10.8
		11~110	400~4000	19	15.8
40			500~5000		16.2
50	40		500~5000		16.2
		18~180	600~6000	8.6	8.1
80	50	18~180	600~6000	8.6	8.1
		25~250	1000~10000	10.4	11
100	80	40~400	1600~16000	12.6	17
		50~500	2000~20000	15.5	6.3
125	100	75~750	2500~25000	17.2	8.1
		100~1000	4000~40000		9.5
150	125	160~1600	6000~60000		10
		250~2500	8000~80000		16
			10000~100000		20
	150	300~3000	12~120m³/h		20
		400~4000	15~150m³/h		25

Installation size

Flange And Outline Size

Caliber/pressure DN/PN Mm/Mpa	Size (mm) φ d	φ d3	φ K	φ d2	b	f	L	h
15,20/4.0	95	45	65	4× φ 14	16	2	250	85
25,40/4.0	115	68	85	4× φ 14	18	2	250	85
50/4.0	165	102	125	4× φ 18	20	3	250	85
80/1.6	200	138	160	8× φ 18	20	3	250	85
100/1.6	220	162	180	8× φ 18	20	3	250	85
125/1.6	250	188	210	8× φ 18	22	3	400	85
150/1.6	285	218	240	8× φ 22	22	3	400	85

Magnetism Filter

If there are some ferromagnetism granule in the medium,a magnetism filter must be installed in the entrance of the flowmeter. There are some magnetism sticks which are ranked in helical in the magnetism filter,it can cutt down pressure loss maxinunly. Every magnetism stick is covered with PTPE, prevent from coresiom by medium.

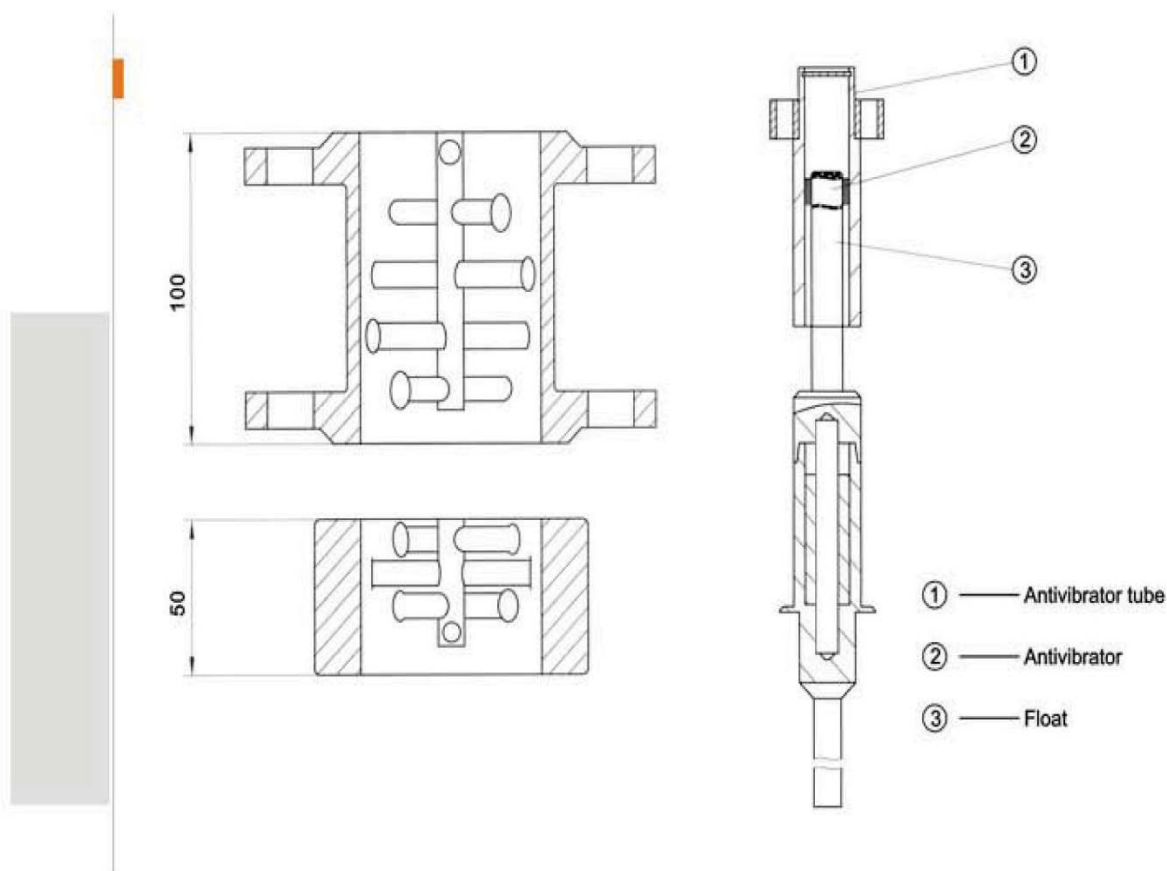
I type: Flange connnection,height:100mm

II type: Inpacted installation,height:50mm

Antivibrator (gas)

If the flow (pressure) in the entrance of the flow meter is unsteadiness, in order to ensure that the flowmeter can work steadily and credily, for long time, when we measure clean gas,we can install an antivibrator with high tech manufacture. On the measure component.

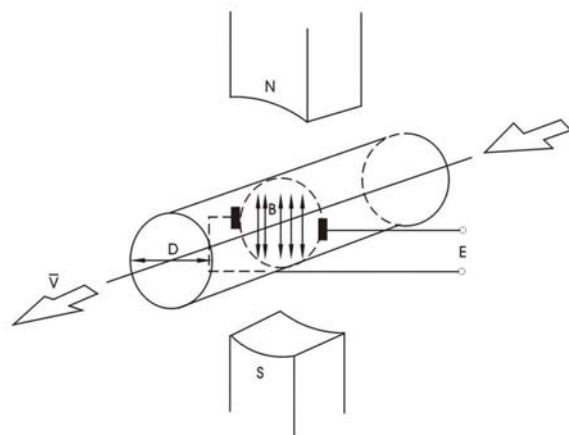
It is unfit for using an antivibrator if there are some tiny granule or dust in the gas. Under this circumstance, it is request the pressure in the entrance is bigger than 5 times of flowmeter's pressure loss, so we can ensure that flowmeter can work normally, For diameter D15,we can level off the flow by pressure adjuster



SCT-DYL SERIES ELECTROMAGNETIC FLOWMETERS

Electromagnetic Flowmeter

SCT Intelligent electromagnetic flowmeter is a kind of bulk flow to measure the electric liquid, whose conductance exceeds 5uS/cm. It can be used to measure the general electric liquid such as water, slump, mine slurry as well as the flow of strong caustic liquid as strong acidic and strong alkaline and so on.



$$E=KBVD$$

- E----- electromotive force
K----- instrument modulus
B----- the intensity of magnetic influence
 \bar{V} ----- the average velocity of flow to measure the section of pipeline.
D----- the internal diameter to measure the pipe's section

Measure principles

The measure principles of intelligent electromagnetic flowmeter rooted in Electromagnetic Induction Law of Faraday: electromotive force will be produced in the conductor while the electric liquid cuts the magnetic influence line in the magnetic field. In accordance with this principle, to install a pair of electrodes on the inner sides of the pipe, which is perpendicular with the pipe axis line and magnetic line, so electromotive force E will be produced by the two electrodes.



During the process of measuring the flow, electric liquid will flow over the magnetic field, which is perpendicular with the flow direction, at the speed \bar{V} , then the flow of the electric liquid will induce a voltage that is proportional to the average velocity of flow, the influent pressure signal is examined while passing two or more than two electrodes, which meet the liquid directly, and is carried to the transformer by cable to be disposed intelligently, then it will be showed by LCD or transformed into normal signal 4~20mA and 0-1KHZ to output.

Features of electromagnetic flowmeter

- 1、 There is no movable parts in the pipeline, unimpeded flow components, no pressure loss in measurement, not easy to stop up;
2. The measurement won't be effected by the density, temperature, pressure, and electrical conductivity is change
- 3、 Choose different lining material and electrode material can make it become corrupt-resistant and fray-resistant.
- 4、 It's convenient to use and operate, high legible background and LCD show, with English menu, and consumers can amend the process on line.
- 5、 Have communication agreements such as RS485、 RS232、 HART and MODBUS.
- 6、 Programmable low frequent rectangle excitation, improving the stableness of flux, reducing the consuming of power.
- 7、 Having the power-cut off protection and annunciator, it can set up the flow direction of the liquid in sensor, therefore the installment of the sensor won't limited by the flow direction of liquid.
- 8、 The product cannot to measure the gas and not the electric conduction liquid.

Main technical parameter

Nominal Path Series DN(mm)
Piped PTFE Lining

10、 15、 20、 25、 32、 40、 50、 65、 80、 100、 125、 150、 200、 250、 300、 350、 400、 450、 500、 600

Piped rubber lining

40、 50、 65、 80、 100、 125、 150、 200、 250、 300、 350、 400、 500、 600、 800、 1000、 1200。

Note: Special specification can be custom-tailored.

Flow direction: positive and negative net flow
measure extension ratio: 150:1

Repeating error: $\pm 0.1\%$ of the meterage

Accuracy grade: pipeline style: 0.5、 1.0

The temperature of the measured medium

Ordinary rubber underlay: $-20 \sim +60^{\circ}\text{C}$

High temperature rubber underlay: $-20 \sim +90^{\circ}\text{C}$

Polythene underlay: $-30 \sim +100^{\circ}\text{C}$

High temperature underlay: $-30 \sim +180^{\circ}\text{C}$

Rating work pressure

Pipeline style

Measure Range of the flow

Measure range of flow corresponding to the input flow is: 0.3-15m/s

The extension of conductance

Conductance of the measured liquid $\geq 5\mu\text{S/cm}$

The flow of medium, most of which consists of water, with 200-800 $\mu\text{S/cm}$ conductance,

can be measured by the electromagnetic flowmeter

Output electric current and load resistance

4-20mA completely separated load resistance $< 750\ \Omega$, impulse frequency 0-1KHZ photoelectricity separation

OCT external power ≤ 35 / the maximum current of electrode is 250mA

The material of electrode

SS、 Ti、 Ta、 H、 pt or other special electrode material



SCT-DYL

Electromagnetic flowmeter

Nominal caliber

Incorporated style

Separating style

electrode material

SS

HC, HB

Ti

Ta

Pt

Liner material

Rubber

Po

PTFE

POWER SUPPLY

AC 220VAC50HZ

DC 24VDC

OUTPUT SIGNAL

If:4-20mA1KHZ Basic collocation

RS: (485) Serial communication

RS: (232) Serial communication

Ht:Hart Hart agreement

the requests of blast shelter

No blast shelter

Ip68 Diving style Ip68

Ip65 Blast shelter Ip65

Temperature of medium

T1 ≤65℃

T2 ≤100℃

T3 ≤180℃

Pressure

0.6 1.0 1.6 2.0 4.0

upper limited flow

m³/h

The choice of electrode material

Choose according with the causticity of the measured liquids,pls check the notebook about causticity and make an experiment if the liquid is unusual.

Material	Causticity resistance
316L	Suitable to: 1. Domestic water, industrial water, head stream and well water, polluted water in cities. 2. Solution of acid, alkali and salt that is of low causticity
Harrington Alloy B	Suitable to: 1. Hydrochloric acid (deepness should less than 10%), all of alkali concentrations of ammonium hydroxide. 2. Sodium hydroxide (thickness should less than 50%) 3. Calcium phosphate, organic acid. Not suitable to: Nitric acid.
Harrington Alloy C	Suitable to: 1. Mixed acids such as the blended liquid of chromate and vitriol 2. Oxidation salts such as Fe ⁺⁺ , Cu ⁺⁺ , seawater Not suitable to: Hydrochloric acid
(Ti)	Suitable to: 1. Salt, For example: (1) Chloride (chloride/magnesium/aluminum/calcium/Ammonium/Ti) (2) Sodium, potassium, ammonium, hypochlorite, and the sea 2. Hydroxide concentration of less than 50% potassium chloride, ammonium hydroxide, barium hydroxide alkali Not suitable to: Hydrochloric acid, sulfuric acid, phosphoric acid, hydrofluoric acid, alkali cyanide oxidation barium
(Ta)	Suitable to: 1. Hydrochloric acid (deepness should less than 10%), watery hydrochloric acid and thick vitriol (except oleum) 2. Chlorine dioxide, magnesium chloride, hypochlorous, sodium cyanide, lead acetate etc. 3. Acid oxide such as nitric acid (including oleum) and aqua regia, the temperature of which should lower than 80°C Not suitable to: Alkali, hydrofluoric acid
(Pt)	Suitable to: Almost all the solution of acid, alkali and salt, including oleum, fuming nitric acid) Not suitable to: Aqua regia, ammonium.

The choice of lining material

Choose according to the measured media's causticity and the corrosive wear and temperature.

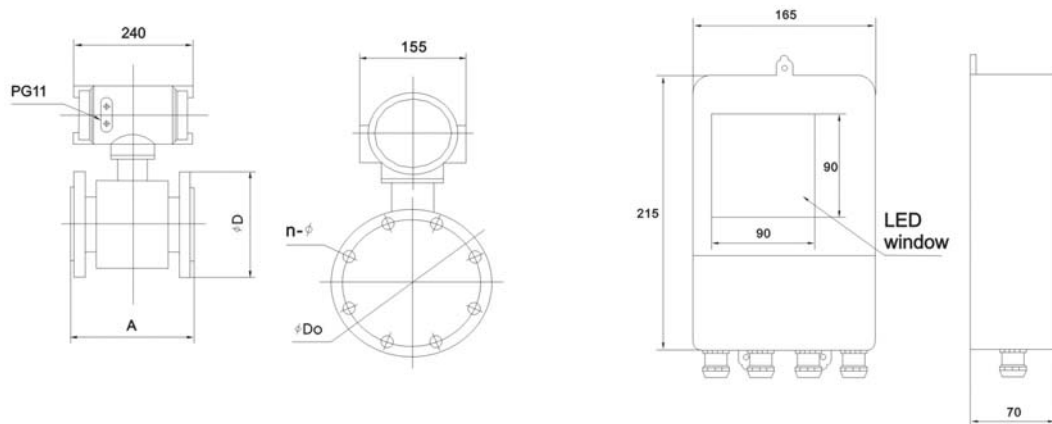
Lining Material	Name	Symbol	Performance	The maximum working temperature	Apply liquid	Apply caliber
Rubber	Chloroprene rubber	CR	Medium wear resistance, resistance to the generally low concentration of acid, alkali and salt corrosion	<80℃	Water, industrial water, sea water	DN50~2200
	Poly resin rubber ammonium	PU	Excellent wear resistance, acid and alkali resistance poor	<60℃	Pulp, such as pulp slurry	DN25~500
Fluoroplastics	Poly vinyl chloride	F4 PTFE	Chemical properties of stability and tolerance boiling hydrochloric acid, sulfuric acid, aqua regia, strong alkali and corrosive	<180℃	Corrosive liquid alkali salt	DN25~1200
	PCE and Hexafluoropropene Hansard: FEP	F46 FEP	Chemical properties slightly better than F4	<120℃	Corrosive liquid alkali salt	DN15~200
	PCE and ethylene	F40 ETFE	Chemical properties slightly better than F4	<120℃	Corrosive liquid alkali salt	DN250~2200
Plastic	Polyethylene	PO	Chemically stable	<60℃	Sewage	DN50~2200
	PPS	PPS		<110℃	Water	DN50~2200

Flow selection table (Refer to the chart Diagram)

Caliber	Minimum Flow Selection	m ³ /h Selection of usual full-scale range of flowrate									
10	0.10	0.5	0.6	0.8	1.0	1.2	1.6	2.0	2.5		
15	0.20	1.0	1.2	1.6	2.0	2.5	3.0	4.0	5.0	6.0	
20	0.35	2.0	2.5	3.0	4.0	5.0	6.0	8.0	10.0	12.0	
25	0.55	3.0	4.0	5.0	6.0	8.0	10.0	12.0	14.0	16.0	
32	1.0	5.0	6.0	8.0	10.0	12.0	16	20	25		
40	1.5	8.0	10.0	12	16	20	25	30	40		
50	2.5	12	16	20	25	30	40	50	60	80	100
65	4.0	20	25	30	40	50	60	80	100	120	
80	5.5	25	30	40	50	60	80	100	120	160	
100	8.5	40	50	60	80	100	120	160	200	250	
125	14	60	80	100	120	160	200	250	300	400	
150	20	100	120	160	200	250	300	400	500	600	
200	35	160	200	250	300	400	500	600	800	1000	
250	55	200	250	300	400	500	600	800	1000	1200	1600
300	80	300	400	500	600	800	1000	1200	1600	2000	2500
350	105	400	500	600	800	1000	1200	1600	2000	2500	3000
400	135	500	600	800	1000	1200	1600	2000	2500	3000	4000
450	175	600	800	1000	1200	1600	2000	2500	3000	4000	5000
500	215	800	1000	1200	1600	2000	2500	3000	4000	5000	6000
600	305	1000	1200	1600	2000	2500	3000	4000	5000	6000	10000
700	415	1200	1600	2000	2500	3000	4000	5000	6000	10000	12000
800	545	1600	2000	2500	3000	4000	5000	6000	10000	12000	16000
900	690	2000	2500	3000	4000	5000	6000	10000	12000	16000	20000
1000	850	2500	3000	4000	5000	6000	10000	12000	16000	20000	25000
1200	1250	6000	10000	15000	20000	25000	30000	35000			
1400	1700	8000	10000	20000	30000	40000	50000				
1600	2500	10000	20000	30000	40000	50000	60000				
1800	3000	15000	20000	30000	40000	50000	60000	70000	80000		
2000	3500	20000	40000	60000	80000	100000					
2200	4000	20000	40000	60000	80000	100000	120000				

Flow selection table (Refer to the chart Diag)

DN	A	D	Do	n- ϕ
10	150	90	60	4×14
15	150	95	65	4×14
20	150	105	75	4×14
25	150	115	85	4×14
32	150	140	100	4×18
40	200	150	110	4×18
50	200	165	125	4×18
65	200	185	145	8×18
80	200	200	160	8×18
100	250	220	180	8×18
125	250	250	210	8×18
150	300	285	240	8×22
200	350	340	295	8×22
250	400	395	350	12×22
300	460	445	400	12×22
350	460	505	460	16×26
400	600	565	515	16×26
450	600	615	565	20×26
500	600	670	620	20×26
600	600	780	725	20×30
700	600	895	840	20×30
800	800	1015	950	24×33
900	900	1115	1050	24×33
1000	1000	1230	1160	28×33
1200	1200	1405	1340	28×36
1400	1400	1630	1560	32×36
1600	1600	1830	1760	36×36
1800	1800	2045	1970	36×36
2000	2000	2265	2180	48×42
2200	2200	2405	2315	52×45



We thank our valuable customers for sparing their precious time in reading our complete SCT Test & Measurement Catalog. In case should you require any further clarifications or additional copies of catalogues or CD's, please contact us through email at sales@scichemtech.Com

* Manufacturer reserve the rights to change the unit / packing / specifications without prior notice. We assure you that all our products are manufactured and tested as per the International Standards.