

PRODUCT CATALOGUE

Version 01.19



METRAVI®

THE QUALITY LEADER

TESTING AND MEASURING INSTRUMENTS



Forthcoming Products

- PH Meter
- Conductivity Meter
- TDS Meter
- Dissolved Oxygen Meter
- Chlorine Meter
- Turbidity Meter
- Discharge Rod
- Micro Ohms Meter
- Fully Automatic Oil Test Set
- Infra Red Temperature Sensor
- Cable Fault Locator
- Cable and Pipe Path Finder
- Wireless Phasing Tester
- Gas Detectors
- Flue Gas Analyzer
- Hardness Tester
- Water Hardness Tester
- Calorimeter
- Gloss Meter
- Stroboscopes
- Force Gauge
- Tension Meter
- Oxygen Meter
- Optical Power Source
- Optical Power Meter
- Optical Time Domain Reflectometer

METRAVI

METRAVI is one of the Largest Manufacturer & Distributor of ELECTRICAL & ELECTRONIC TEST and MEASURING INSTRUMENTS in INDIA. We have been in this line of business 1970 onwards, catering to the needs of almost all major Government, Semi-Government, private and public sector industries, including Railways, Defence, Aviation, Telecom, Petroleum, Cement, Power Generation, Iron & Steel, Plywood, Automobile, Paper, Chemicals, Heavy Equipment, Automation, etc. Hospitals, Nursing Homes, Colleges & Educational Institutions also source our products.

Backed by years of accumulated experience, quality and acumen, the METRAVI brand is an alliance of rich experience in the instruments field, exceptional expertise in instrument manufacturing and state of the art technology, resulting in the best next-generation instruments that your money can buy. The METRAVI range of instruments offer you highest accuracy, ruggedness and utmost reliability, having met and exceeded the toughest quality standards set by the industry as well as users.

We offer a complete bouquet of hi-tech, reliable, quality instruments – your one stop shop for any test and measurement need. Innovation is our forte and we also combine instrumentation needs into product packages, so that Engineers can carry and use single instruments instead of multiple. Metravi is dedicated to offer feature-driven instrumentation of highest quality yet within reach of every strata of users and have been introducing a variety of new products over the years, keeping in pace with latest cutting-edge technologies & innovations.

From users of day-to-day products to that of hi-tech professional ones, we provide instruments with state-of-the-art technology, highest accuracy and repeatability but at very cost-effective pricing. From simple Voltmeters & Ammeters to Oscilloscopes & Spectrum Analyzers to High Voltage Testing equipments, we have it all and our team of experts are always looking for opportunities to introduce new high-quality instruments with latest state-of-the-art technology.

We back our product offerings with fast deliveries, efficient repair times and quick and robust after-sales assistance for application & usage support including training. Our associates constantly check and test the instruments prior to sale and delivery. We share product unpacking and usage videos along with offering on call explanations as well as hands-on / onsite training as add on services. Almost all the instruments are available off-the-shelf with us, hence making the deliveries prompt. As for the after sales service, we have high-technology service centre facilities, comprising of an experienced team of technicians, equipped with high quality test equipment and tools, along with warranties against manufacturing defects to back-up the quality & excellence promised when you invest in a METRAVI product.

We also undertake calibration jobs for acquiring calibration certificates traceable to National & International Standards. Our associates have their entire primary calibrating instruments traceable to National or International Standards, hence making it possible for us to issue certificates traceable to National or International Standards.

Metravi products and catalogues are available online on our website <https://metravi.com>. Online orders are accepted on our website as well as social & popular e-commerce portals. Directly, the products can be obtained from our Kolkata office as well as our strong and dependable Dealer Network all over the country.

When you buy a METRAVI instrument, we assure you QUALITY & PROMPT SERVICE backed with EXPERIENCE & EXPERTISE!

For any product, development or dealer enquiries, we can be contacted at info@metravi.com



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Acidity Testing Kit

Metravi ATK

Used to measure Acidity content of Transformer Oil

Portable equipment with test tubes to conduct the tests

A set of chemical reactions need to be conducted to evaluate acidity of transformer oil

Test Set consists of Ethyl Alcohol, Sodium Carbonate Solution, Universal Indicator, Test Tubes, Graduated dropper

Color chart calibrated with neutralization number values and instruction manual is also provided.



A.C. High Voltage Test Set

Metravi ACHV

These sets are suitable for applied voltage tests on transformers, motors, electric cables, switch gear products, gloves bushing and many other electrical equipment and insulating material and components

The sets are capable of giving continuously variable control of high Voltage from zero to maximum rated output voltage and of maintaining pressure at the desired level with supplying the charging current necessary for the capacity of the equipment under test

Input 230V or 415V AC 50Hz (Any One) (generally 230V is provided for sets up to 15KVA Capacity)

Output Continuously variable between 0 to maximum rated output voltage

Max Capacity AC HV unit are spread over a wide voltage and current range from 2kV to 200kV having Amp capacity from several VA to several hundred KVA

However the kV rating might go beyond 200kV if required by the customer

Duty Cycle Unless specified the test sets are made for intermittent duty cycle of 5 mins on and 10 mins off

AC and DC combined high voltage sets are also available



Analogue Clamp Meter

Metravi-300

It confirms to the prescriptions of the European directive on low voltage 73/23/EEC and to EMC directive 89/336/EEC, amended by 93/68/EEC

Confirms to CAT II 600V, IEC 1010-1 (EN-61010-1)

Clamp Jaw Dia 40mm

DC Voltage 0 - 60V

Accuracy $\pm 3\%$

AC Voltage 0 - 150/300/600V

Accuracy $\pm 3\%$

AC Current 0 - 6/15/60/150/300A

Accuracy $\pm 3\%$

Resistance 0 - 2k/200k Ω

Accuracy $\pm 4\%$

Temperature -20°C to 150°C

Accuracy $\pm 5\%$ of arc

Pointer Lock Facility



Metravi M-600

It confirms to the prescriptions of the European directive on low voltage 1010-1, CAT-II 600V

Clamp Jaw Dia 34 mm

DC Voltage 0 - 75V

Accuracy $\pm 3\%$

AC Voltage 0 - 150/300/750V

Accuracy $\pm 3\%$

AC Current 0 - 6/15/60/150/600A

Accuracy $\pm 3\%$

Resistance 0 - 2k/200k Ω

Accuracy $\pm 3\%$

Temperature up to -20 to 150°C / 300°F

Accuracy $\pm 3\%$

Pointer Lock Facility



Metravi SK-7200

Easy Range Selection by Rotary Scale System

Pointer lock knob

Zero Ohm Adjustment knob

Jaw Clamp Dia 48 mm

AC Voltage 0 - 150/600V

Accuracy $\pm 4\%$ F.S.

AC Current 10/50/250/500/11000A

Accuracy $\pm 4\%$ F.S.

Resistance 0 - 20k/200k Ω

Accuracy $\pm 3\%$ F.S.

Fuse Protection



Analogue Multimeter

Model 250TR

Hand Held Multimeter	
DC Voltage	0 - 2.5/10/50/250/1000V
Accuracy	±5%
AC Voltage	0 - 10/50/250/1000V
Accuracy	±5%
DC Current	0 - 10/250mA
Accuracy	±5%
Resistance	0 - 20k/2MΩ
Accuracy	±5%
Battery Test	1.5/9V
Accuracy	±10%
Confirms to IEC 61010, CAT II 300V	



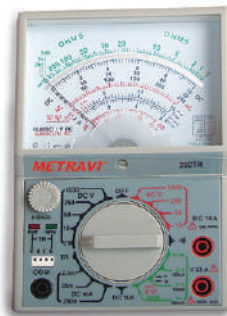
MetraVi 5050E

Confirms to CAT II 1000V, CAT III 500V	
DC Voltage	0 - 0.05/0.5/2.5/10/50/250/1000V
Accuracy	3%
AC Voltage	0 - 0.05/0.5/2.5/10/50/250/1000V
Accuracy	±4%
DC Current	0 - 0.01/0.05/0.25/2.5/25mA/250mA/10A
Accuracy	±3%
AC Current	0 - 0.01/0.05/0.25/2.5/25mA/250mA/10A
Accuracy	±4%
Resistance	0 - 2k/20k/200k/2M/20M/200M/2000MΩ
Accuracy	±2%
Audible Continuity Test	
Fuse Protection	



MetraVi 260TR

Hand Held Multimeter	
DC Voltage	0 - 2.5/10/50/250/1000V
Accuracy	±3%
AC Voltage	0 - 10/50/250/1000V
Accuracy	±4%
DC Current	0 - 2.5m/25m/250m/10A
Accuracy	±3%
Resistance	0 - 2k/20k/2M/20MΩ
Accuracy	±3%
dB Test	-10dB to +62dB
Transistor Polarity Test and Audible Continuity Test	
Fuse Protection	



MetraVi 6060

Confirms to EN 61010 - 1:2001, CE 1010-1, EN61010 NF-C 42020 VDE 0411	
Confirms EMC Directive EN 61326-1	
DC Voltage	0 - 2.5/10/25/100/250/500/1000/2500V
Accuracy	±1.5%
AC Voltage	0 - 2.5/10/25/100/250/1000/2500V
Accuracy	±2.5%
DC Current	0 - 1m/10m/50m/100m/250m/1000m/10A
Accuracy	±1.5%
AC Current	0 - 100m/1000m/2500m/10A
Accuracy	±2.5%
Resistance	0 - 1Ω/10/100/1k/10kΩ
Accuracy	±10%
Audible Continuity Test	



MetraVi 2010BA

Confirms to IEC61010-1, CAT II 1,000V, CAT III 500V to ground potential	
DC Voltage	0-0.1/0.5/2.5/10/50/250/1000V
Accuracy	±3%
AC Voltage	0-0.1/0.5/2.5/10/50/250/1000V
Accuracy	±4%
DC Current	0-0.05/0.25/2.5/25/250mA/10A
Accuracy	±3%
AC Current	0-0.05/0.25/2.5/25/250mA/10A
Accuracy	±4%
Resistance	0 - 2k/20k/200k/2M/20MΩ
Accuracy	±3%
Battery Test	1.5V/9V
Transistor Test, Diode Test and Continuity Test Facility	



Battery Impedance Tester

MetraVi TM-6002

Measuring Internal Impedance and Open Circuit Voltage of the secondary battery including Nickel-metal hydride battery (NiMH), Nickel-Cadmium Battery (NiCd)

AC Four terminal method to measure internal impedance by eliminating lead impedance and contact impedance to get the accurate results

Multi display LCD to display internal impedance, voltage and clock

99Sets of composite comparator function

Pin type leads, for easy contact of battery electrode.

Large Backlit LCD Display

Data Logging up to 9999 sets

Resistance Measurement from 10μΩ to 40 Ω

Voltage Measurement from 1mV to 40V

Temperature Measurement from -20 to 60°C

DC Current Measurement from 0.6A to 700A DC



Bench Type Multimeter

Metravi 45

4-1/2 Digits 20,000 Counts Backlit LCD Display	
Battery and Mains Operated	
Confirms to IEC 61010-1 Pollution Degree 2,	
Over-range and Low Battery Indication	
Data Hold Facility	
DC Voltage	0 – 200mV/2V/20V/200V/1000V DC
Accuracy	± 0.1%
AC Voltage	0 - 2V/20V/200V/1000V AC

Metravi 45 T-RMS

High Performance Bench type Digital Multimeter	
It is a T-RMS Multimeter	
AC Frequency response: 50kHz	
Display	4-1/2 Digits 19999 Counts Backlit LCD
DC Voltage	0 - 200m/2V/20V/200V/1000V
Accuracy	±0.05%
AC Voltage	0 - 200m/2V/20V/200V/750V
Accuracy	±0.8%
DC Current	0 - 20m / 200m / 2 / 20A
Accuracy	±0.35%

Metravi 55 T-RMS

High Performance Bench type Digital Multimeter	
It is a Auto-ranging T-RMS Multimeter	
Bandwidth is 100kHz	
Data Storage of 100 Data	
USB / RS-232 Interface for PC Connection	
256 x 64 Dot Matrix LCD Display with backlight	
Display	5-1/2 Digits 200,000 Counts
DC Voltage	0 - 200m/2V/20V/200V/1000V
Accuracy	±0.015%
AC Voltage	0 - 200m/2V/20V/200V/750V
Accuracy	±0.5%

Metravi M 3500A

Most Stable bench top 6-1/2 Digits Digital Multimeter	
Has high accuracy and has USB PC Interface facility.	
High sampling rate and data rate of 2000 readings/Sec	
AC measurement range 3Hz to 300kHz	
Two Wire and Four Wire Resistance measurement	
Period, Temperature measurements	
It can store up to 2000 readings in data memory	
11 measurements and 8 math function	
Display	unique 5x7 dot matrix VFD Dual displays with three color annunciators
DC Voltage	0 - 100mV/1/10/100/1000V
Accuracy	±0.0015%
AC Voltage	0 - 100m/1/10/100/750V
Accuracy	±0.04%
DC Current	10m/100m/1/3A
Accuracy	±0.005%

Accuracy	± 0.5%
DC Current	0 – 200uA/2mA/20mA/200mA/10A DC
Accuracy	± 0.5%
AC Current	0 – 2mA/20mA/200mA/10A AC
Accuracy	± 0.8%
Resistance	0 – 200/2k/20k/200k/2M/20M/200MΩ
Accuracy	± 0.5%
Capacitance	0 – 20n/2u/200uF
Accuracy	± 4.0%
Frequency	0 - 2kHz/200KHz
Accuracy	± 1.2%
Temperature	-40 to 1000°C
Accuracy	± 1.2%
Transistor Test Diode and Continuity Test Facility	

AC Current	0 - 200m / 2 / 20A
Accuracy	±0.8%
Resistance	0 - 200/2k/20k/200k/2M/20M.Ohms
Accuracy	±0.1%
Capacitance	0 - 20n / 2u / 200uF
Accuracy	±3.5%
Frequency	0 - 20k / 200kHz
Accuracy	±1.0%
Transistor Test, Diode Test and Audible continuity test facility	

DC Current	0 - 2m/200m/10A
Accuracy	±0.05%
AC Current	0 - 2m/200m/10A
Accuracy	±0.3%
Resistance	0 - 200/2k/20k/200k/2M/20M.Ohms
Accuracy	±0.02%
Capacitance	0-60nF/600n/6u/60u/600u/6mF
Accuracy	±2%
Frequency	6k/60/600/6M/60MHz
Accuracy	±0.1%
Diode Test and Audible continuity test facility	

AC Current	0 - 1 / 3A
Accuracy	± 0.10%
Resistance	0 - 100/1k/10k/100k/1M/10M/100MΩ
Accuracy	±0.003%
Diode and continuity test	
Limit, Ratio MX+B, %, dBm, dB, Min / Max, Null functions	
Trigger function available	
Thermal measurement function supports two types of measurements, Thermocouple and RTDs, For thermocouples E, J, K, N, R, S and T types can be used.	
Multi-Point Scan option can be used that supports upto 10 Channels (optional)	
Free MatLab and Labview applications that allows user to do a variety of tasks. Also features the PT-Tool that can acquire data directly from the measurement into MS Word and Excel even without MS Word or Excel. User can chose PT-Link which is a stand-alone application.	



MetraVi 3510A

Most Cost Effective 6-1/2 Digit Multimeter	
Dual Displays & Dual Measurements	
Wide Range Current Measurement	
Basic DC Voltage Accuracy of 0.009%	
Free Software PT-TOOL (SCPI Commands) & PT-LINK	
DC Voltage	0 – 100m/1/10/100/1000V
Accuracy	±0.009%
AC Voltage (TRMS)	0 – 100m/1V/10/100/750V
Accuracy	±0.12%
DC Current	0 – 10m/100m/1/3/10A
Accuracy	±0.05%
AC Current	0 – 1/3/10A

Accuracy	±0.2%
Frequency	up to 300kHz
Accuracy	±0.02%
Capacitance	0 – 1n/10n/100n/1u/10u/ 100u/1000u/10000uF
Accuracy	±1%
Thermocouple Measurement	
High Speed Sampling and Measurements	
Diode & Continuity Test Facility	
Confirms to EN61326.	
Is provided with USB Interface and optionally GPIB and RS-232 Interface can also be provided.	



MetraVi 3511

Most Cost Effective 6-1/2 Digit Multimeter	
Dual Displays & Dual Measurements	
Wide Range Current Measurement	
Basic DC Voltage Accuracy of 0.009%	
Free Software PT-TOOL (SCPI Commands) & PT-LINK	
DC Voltage	0 – 100m/1/10/100/1000V
Accuracy	±0.009%
AC Voltage (TRMS)	0 – 100m/1V/10/100/750V
Accuracy	±0.12%
DC Current	0 – 10m/100m/1/3/10A
Accuracy	±0.05%

AC Current	0 – 1/3/10A
Accuracy	±0.2%
Frequency	up to 300kHz
Accuracy	±0.02%
Capacitance	0 – 1n/ 0n/100n/1u/10u/100u/ 1000u/10000uF
Accuracy	±1%
Diode & Continuity Test Facility	
Confirms to EN61326.	
Is provided with USB Interface and optionally GPIB and RS-232 Interface can also be provided	



Cable Fault Locator

MetraVi CFL-01

Consists of a transmitter and a receiver	
Used to detect or trace conductors and to find short faults in them.	
The signal generated by the transmitter is made to a modulated current, generating an electromagnetic field around a conductor. This electro magnetic field induces a voltage within the receiving coil. The induced voltage is amplified, decoded and converted to the original signal by the received and finally displayed on screen.	
It is used for finding conductors in walls, conductor interruptions, short-circuits in conductors	
Conductor tracing in the soil	
Detecting fuses and assigning current circuits	
Tracing sockets and distribution sockets having accidentally been covered by plastering	
Detecting interruptions and short-circuits in floor heating	
Tracing metallic water and heating pipes	
All application areas (both, voltage-free and live) are performed without using any additional instruments	
Transmitter display indicates the transmission level, the transmission code, as well as the foreign voltage	
Receiver display indicates the reception level, the transmission code, as well as the mains voltage detection	
Automatic and manual sensitivity adjustment	
Acoustic reception signal may be switched off	
Auto-Power-Off function	
Backlight Display	
Additional lighting function when working under bad lighting conditions	
Additional transmitters are available to extend or distinguish several signals	



MetraVi CFL-02

Pin Points Fault in all underground cables.	
Useful for Power, Control & Telecom Cables	
Maximum Cable Length 5kms	
Accuracy : ±5%	
Faults located can be Medium/High Resistance Faults, Open Circuit and Short Circuit faults	
Two Techniques used	
Potential Comparison Technique	
Capacitance Comparison Technique	



Calibrators

Metravi RTD Calibrator CAL-408

Portable Type	
14 Fixed range Selectable Outputs	
Outputs available at	-200, -100, -50, -25, 0, 25, 50, 100, 150, 200, 250, 300, 350, 400, 500, 600°C
Accuracy	±0.05% Ω of FSR
Compensation	Long Wire Compensation of 100m. sensor cable



Metravi CAL-402-4

Bench top Portable, Mains Operated	
Auxiliary Power	230V Single Phase AC 50Hz Supply
Display	4-1/2 Digits 19999 Counts LCD
Sources	
DC Voltage	0 - 199.99mV/1.9999/19.999V
Accuracy	±0.05% ± 2 Counts
DC Current	0 - 199.99uA/1.9999mA/19.999mA
Accuracy	±0.05% ± 2 Counts
Measures	
DC Voltage	0 - 199.99mV/1.9999/19.999V
Accuracy	±0.05% ± 2 Counts
DC Current	0 - 199.99uA/1.9999mA/ 19.999mA
Accuracy	±0.05% ± 2 Counts
Output Adjustable	by 10 Turn POT for COARSE and FINE



Metravi CAL-400-3

Portable instrument for calibrating process devices and measuring process signals.	
Display	3-1/2 Digits Backlit LCD
Data Hold Function	
Overload and Low Battery Condition	
Sources Current and DC mV	
Measures Current and Power	
Current Source Range	0 – 19.99 / 24mA
Accuracy	±0.25%
DC Milli Volt Source Range	-199.9 to +199.9mV
Accuracy	±0.25%
DC Current Measurement Range	0 - 19.99 / 24mA
Accuracy	±0.25%



Metravi CAL-500

Hand Held, Battery Operated	
Extra Large LCD Display	
Displays both output and measurements	
In the output / measurement mode following are available:	
DC Voltage	0 – 24mV/100mV /15V
Accuracy	±0.1%
DC Current	0 – 24mA
Accuracy	±0.1%
Step wise output of 4/8/12/16/20/24mA	
Passive Current	0 – 24mA
Accuracy	±0.1%
24V Loop Power Output	
K type Thermocouple	-270 to 1372°C
Accuracy	±0.1%
E type Thermocouple	-270 to 1000°C
Accuracy	±0.1%
J type Thermocouple	-210 to 1200°C
Accuracy	±0.1%
T type Thermocouple	-270 to 400°C
Accuracy	±0.1%
R type Thermocouple	-50 to 1768°C
Accuracy	±0.1%
B type Thermocouple	-0 to 1820°C
Accuracy	±0.1%
S type Thermocouple	-50 to 1768°C
Accuracy	±0.1%
N type Thermocouple	-270 to 1300°C
Accuracy	±0.1%
Complete with instruction manual, testing leads and battery	



Metravi CAL-400-4

Hand Held, 9V Battery Operated	
4-1/2 Digits 19999 Counts LCD Display	
Sources	
DC Voltage	0 - 199.99mV
Accuracy	±0.05%
DC Current	0 - 19.999mA
Accuracy	±0.05%
Measures	
DC Voltage	0 - 199.99mV
Accuracy	±0.05%
DC Current	0 - 19.999mA
Accuracy	±0.05%
Output Adjustable	by 10 Turn POT for COARSE and FINE



Thermocouple / RTD / DC Voltage & Resistance Calibrator Metravi 01+

Provides analogue output for eight types of thermocouples (R, S, K, E, J, T, B, N), two types of thermo-resistance (Cu 10 / Cu 50 / PT-100 / PT-200 / PT-500 / PT-1000), DC Voltage and resistance

°C and °F scales selectable

Suitable for field use

High Accuracy of 0.05%

Display 5 Digits LCD

Outputs provided

Voltage Range -10mV to 110mV/-1000 to 1100mV

Resolution: 0.01mV / 0.1mV Accuracy: ±0.05%

Resistance Range 0 to 400 / 4000 Ω

Resolution 0.1 / 1 Ohms Accuracy: ±0.05%

R type Thermocouple -40 to 1760°C

Resolution: 1°C Accuracy: ±0.05%

S type Thermocouple -20 to 1760°C

Resolution: 1°C Accuracy: ±0.05%

B type thermocouple 400 to 1800°C

Resolution: 1°C Accuracy: ±0.05%

E type thermocouple -200 to 1000°C

Resolution: 0.1°C Accuracy: ±0.05%

K type thermocouple -200 to 1370°C

Resolution: 0.1°C Accuracy: ±0.05%

J type thermocouple -200 to 1200°C

Resolution: 0.1°C Accuracy: ±0.05%

T type thermocouple -200 to 400°C

Resolution: 0.1°C Accuracy: ±0.05%

N type thermocouple -200 to 1300°C

Resolution: 0.1°C Accuracy: ±0.05%

PT-10 385 Sensor -200 to 850°C

Resolution: 0.1°C Accuracy: ±0.05%

PT-100 385 Sensor -200 to 850°C

Resolution: 0.1°C Accuracy: ±0.05%

PT-200 385 Sensor -200 to 630°C

Resolution: 0.1°C Accuracy: ±0.05%

PT-500 385 Sensor -200 to 630°C

Resolution: 0.1°C Accuracy: ±0.05%

PT-1000 385 Sensor -200 to 630°C

Resolution: 0.1°C Accuracy: ±0.05%

Cu10 Sensor -10 to 250°C

Resolution: 0.1°C Accuracy: ±0.05%

Cu50 Sensor -50 to 150°C

Resolution: 0.1°C Accuracy: ±0.05%



Resistance & Thermo-Resistance Calibrator Metravi 03+

Simulates thermo- resistance and resistance output

Measures thermo-resistance and resistance

°C and °F scales selectable

Suitable for field use

High Accuracy of 0.05%

Display 5 Digits LCD

Outputs provided

Resistance Range 0 to 400 / 4000 Ω

Resolution: 0.1 / 1 Ω Accuracy: ±0.05%

PT-10 385 Sensor -200 to 850°C

Resolution: 0.1°C Accuracy: ±0.05%

PT-100 385 Sensor -200 to 850°C

Resolution: 0.1°C Accuracy: ±0.05%

PT-200 385 Sensor -200 to 630°C

Resolution: 0.1°C Accuracy: ±0.05%

PT-500 385 Sensor -200 to 630°C

Resolution: 0.1°C Accuracy: ±0.05%

PT-1000 385 Sensor -200 to 630°C

Resolution: 0.1°C Accuracy: ±0.05%

Cu10 Sensor -10 to 250°C

Resolution: 0.1°C Accuracy: ±0.05%

Cu50 Sensor -50 to 150°C

Resolution: 0.1°C Accuracy: ±0.05%

Measuring Range

Resistance Range 0 to 500 / 5000 Ω

Resolution: 0.1 / 1Ω Accuracy: ±0.05%

PT-10 385 Sensor -200 to 850°C

Resolution: 0.1°C Accuracy: ±0.05%

PT-100 385 Sensor -200 to 850°C

Resolution: 0.1°C Accuracy: ±0.05%

PT-200 385 Sensor -200 to 630°C

Resolution: 0.1°C Accuracy: ±0.05%

PT-500 385 Sensor -200 to 630°C

Resolution: 0.1°C Accuracy: ±0.05%

PT-1000 385 Sensor -200 to 630°C

Resolution: 0.1°C Accuracy: ±0.05%

Cu10 Sensor -10 to 250°C

Resolution: 0.1°C Accuracy: ±0.05%

Cu50 Sensor -50 to 150°C

Resolution: 0.1°C Accuracy: ±0.05%



Loop Calibrator Metravi 05+

Provides output and measures DC Voltage and Loop Current	
Simulates the output of analogue transducer	
Can supply 24V DC Loop Power	
Can produce fast and slow auto inclined wave output for 4 - 20mA current	
Auto Power Off can be set by operator	
Can test switch mode and take operation in step from zero to full scale	
Displaying can be done both in mA and %	
Suitable for field use	
High Accuracy of 0.05%	
Display	5 Digits LCD
Outputs provided	
DC Current	0 - 22mA
Resolution: 0.001mA	Accuracy : ±0.05%
Analogue Transducer	0 to -22mA
Resolution: 0.001mA	Accuracy : ±0.05%
Loop Power	24V
Accuracy	±10%
Measuring Range	
Voltage	0 to 28V
Resolution: 1mV	Accuracy : ±0.02%
Current	-1.00 to 20mA
Resolution: 0.001mA	Accuracy : ±0.05%
Loop Current	0 to 20mA
Resolution: 0.001mA	Accuracy : ±0.05%



Sources	
DC Voltage	0 – 100m / 1000m / 10V
Resolution: 1uV	Accuracy : ±0.02%
DC Current	0 – 20mA
Resolution: 1uA	Accuracy : ±0.02%
Resistance	0 – 400 / 4k / 40kΩ
Resolution: 0.01Ω	Accuracy : ±0.02%
R type Thermocouple	-0 to 1767°C
Resolution: 1°C	Accuracy: ±1.2°C
S type Thermocouple	0 to 1767°C
Resolution: 1°C	Accuracy: ±1.2°C
B type thermocouple	600 to 1820°C
Resolution: 1°C	Accuracy: ±1.1°C
E type thermocouple	-200 to 1000°C
Resolution: 0.1°C	Accuracy: ±0.4°C
K type thermocouple	-200 to 1372°C
Resolution: 0.1°C	Accuracy: ±0.5°C
J type thermocouple	-200 to 1200°C
Resolution: 0.1°C	Accuracy: ±0.5°C
T type thermocouple	-250 to 400°C
Resolution: 0.1°C	Accuracy: ±0.6°C
N type thermocouple	-200 to 1300°C
Resolution: 0.1°C	Accuracy: ±0.7°C
L type thermocouple	-200 to 900°C
Resolution: 0.1°C	Accuracy: ±0.5°C
U type thermocouple	-200 to 600°C
Resolution: 0.1°C	Accuracy: ±0.5°C
PT-100 type sensor	-200 to 800°C
Resolution: 0.1°C	Accuracy: ±0.3°C
PT-200 type sensor	-200 to 630°C
Resolution: 0.1°C	Accuracy: ±0.8°C
PT-500 type sensor	-200 to 630°C
Resolution: 0.1°C	Accuracy: ±0.4°C
PT-1000 type sensor	-200 to 630°C
Resolution: 0.1°C	Accuracy: ±0.2°C
Cu10 type sensor	-100 to 260°C
Resolution: 0.1°C	Accuracy: ±1.8°C
Cu50 type sensor	-50 to 150°C
Resolution: 0.1°C	Accuracy: ±0.6°C
Frequency	1Hz - 110kHz
Resolution: 0.01Hz	Accuracy: ± 2 counts
Pulse	1 to 100 / 1k / 10kHz
Resolution: 1 Cycle	Accuracy: ± 2 counts
Switch	1Hz to 100Hz / 1kHz / 10kHz / 100kHz
Resolution: 0.01Hz	Accuracy: ± 2 counts

Metravi Universal Process Source Model 11+

High Accuracy of 0.02% for source, 6 digits display for source.	
Source: DC voltage, DC current, resistance, simulating transmitter, temperature (thermocouple/resistance temperature detector), frequency, pulse, contact.	
Provides 25% step or 100% step DC current output manually or automatically.	
TC source terminals and built-in lead connector of same temperature (R) compensation with auto-reference joint point); the unit can be converted between°C and °F	
Outside place temperature detector with high accuracy of ±2°C	
Big LCD can display the TC/RTD value and voltage/ resistance value, mA value and mA% value corresponding simultaneously.	
Carefully designed the key layout, each pair of increase/ decrease key correspond with the set value on the LCD.	
It can be calibrated without open the cover of the calibrator.	
White backlight with auto turn off	



Metravi DC Voltage / Thermo-Resistance / Thermocouple Calibrator Model 14+

Hand Held Battery Operated instrument for high accuracy measurements and sourcing	
Measure	DC-voltage, ohm, Tc, RTD, continuity;
Source	DC-voltage, ohm, Tc, RTD;
2-wire,3-wire,4-wire connection method for ohm and RTD measurement.	
Big LCD can display the TC/RTD measurement value and voltage/resistance corresponding simultaneously.	
TC measurement/source terminals and built-in lead connector of same temperature (RJ compensation with auto-reference joint point)	
Room temperature monitoring under any operation	
Measurement wave-filter function	
Measurement manual-holding function	
6 Digits Backlit LCD Dual Display	
Measures	
DC Voltage	0 – 50mV / 500mV
Resolution: 1uV	Accuracy: ±0.02%
Resistance	0 – 550 / 5kΩ
Resolution: 0.01 Ω	Accuracy: ±0.05%
R type Thermocouple	-0 to 1767°C
Resolution: 1°C	Accuracy: ±1.5°C
S type Thermocouple	0 to 1767°C
Resolution: 1°C	Accuracy: ±1.5°C
K type thermocouple	-100 to 1372°C
Resolution: 0.1°C	Accuracy: ±0.8°C
E type thermocouple	-50 to 850°C
Resolution: 0.1°C	Accuracy: ±0.9°C
J type thermocouple	-60 to 1120°C
Resolution: 0.1°C	Accuracy: ±0.7°C
T type thermocouple	-100 to 400°C
Resolution: 0.1°C	Accuracy: ±0.7°C
N type thermocouple	-200 to 1300°C
Resolution: 0.1°C	Accuracy: ±0.9°C
B type thermocouple	600 to 1820°C

Resolution: 1°C	Accuracy: ±1.4°C
L type thermocouple	-60 to 900°C
Resolution: 0.1°C	Accuracy: ±0.5°C
U type thermocouple	-100 to 600°C
Resolution: 0.1°C	Accuracy: ±0.5°C
PT-100 type sensor	-200 to 800°C
Resolution: 0.1°C	Accuracy: ±0.5°C
PT-1000 type sensor	-200 to 630°C
Resolution: 0.1°C	Accuracy: ±0.4°C
PT-200 type sensor	-200 to 630°C
Resolution: 0.1°C	Accuracy: ±0.22°C
PT-500 type sensor	-200 to 630°C
Resolution: 0.1°C	Accuracy: ±0.3°C
Cu10 type sensor	-100 to 260°C
Resolution: 0.1°C	Accuracy: ±2°C
Cu50 type sensor	-50 to 150°C
Resolution: 0.1°C	Accuracy: ±0.5°C
Continuity	0 – 500 Ohms
Resolution	0.01 Ohms
Sources	
DC Voltage	0 – 100mV / 1000mV
Resolution: 1uV	Accuracy: ±0.02%
Resistance	0 – 400 / 4k.Ohms
Resolution: 0.01 Ω	Accuracy: ±0.02%
R type Thermocouple	0 to 1767°C
Resolution: 1°C	Accuracy: ±1.2°C
S type Thermocouple	0 to 1767°C
Resolution: 1°C	Accuracy: ±1.2°C
K type thermocouple	-200 to 1372°C
Resolution: 0.1°C	Accuracy: ±0.5°C
E type thermocouple	-200 to 1000°C
Resolution: 0.1°C	Accuracy: ±0.4°C
J type thermocouple	-200 to 1200°C
Resolution: 0.1°C	Accuracy: ±0.5°C
T type thermocouple	-250 to 400°C
Resolution: 0.1°C	Accuracy: ±0.6°C
N type thermocouple	-200 to 1300°C
Resolution: 0.1°C	Accuracy: ±0.7°C
B type thermocouple	600 to 1820°C

Resolution: 1°C	Accuracy: ±1.1°C
L type thermocouple	-200 to 900°C
Resolution: 1°C	Accuracy: ±0.5°C
U type thermocouple	-200 to 600°C
Resolution: 1°C	Accuracy: ±0.5°C
PT-100 type sensor	-200 to 800°C
Resolution: 0.1°C	Accuracy: ±0.3°C
PT-1000 type sensor	-200 to 630°C
Resolution: 0.1°C	Accuracy: ±0.2°C
PT-200 type sensor	-200 to 630°C
Resolution: 0.1°C	Accuracy: ±0.8°C
PT-500 type sensor	-200 to 630°C
Resolution: 0.1°C	Accuracy: ±0.4°C
Cu10 type sensor	-100 to 250°C
Resolution: 0.1°C	Accuracy: ±1.8°C
Cu50 type sensor	-50 to 150°C
Resolution: 0.1°C	Accuracy: ±0.6°C



Metravi Voltage / mA Calibrator Model 15+

Provides DC Voltage, DC current, simulation transmitter, Frequency & Pulse outputs	
Measures DC Voltage, DC current, Frequency and Continuity	
Measuring pressure, Calibrating pressure-voltage transmitter, Calibrating 2wire pressure transmitter, Calibrating pressure switch	
Most Precise & useful tool in field calibration	
Auto Power Off facility	
Auto Power Off disable function	
Manual Step Source and Auto-Step and Sweeping-Step Source	
Measurement / source mA% Display	
Measurement Manual-Holding Function	
Measurement wave-filter function	
Pressure Source Auto-Holding Function	
Manual Step Source and Auto-Step and Sweeping-Step Source	
High Accuracy of 0.05%	
Display	6 Digits LCD

Output Provided	
Voltage	0 to 10V
Resolution: 10uV	Accuracy: ±0.02%
Current	0 to 20mA
Resolution: 1uA	Accuracy: ±0.02%
Frequency	0 – 100/1k/10kHz
Loop Power: 24 V	Accuracy: ±10%
Pressure Output	using various Pressure Modules
Measuring Range	
Voltage	0 to 50 V
Resolution: 10uV	Accuracy: ±0.02%
Current	0 to 50mA
Resolution: 1uA	Accuracy: ±0.02%
Frequency	0 – 500/5k/50kHz
Resolution: 0.01Hz	Accuracy: ±2Digits
Continuity Test	



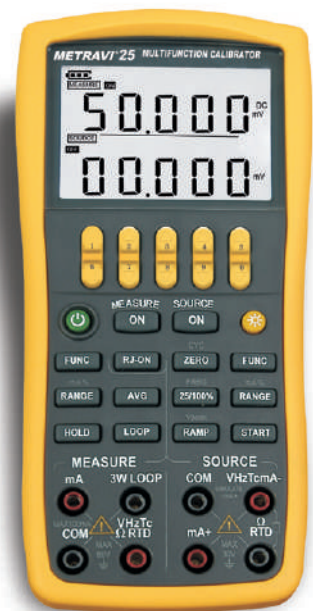
Metravi Universal Calibrator Model 25

Measures and Sources various parameters	
Display : 50000 Counts Dual, Backlit Display	
Source and Measured values can be seen on the same screen together	
Source and Measurement can be done at the same time	
Confirms to IEC 61010	
Data Hold Function to freeze the displayed data	
Measures	
DC Voltage	0 - 50mV / 500mV / 5V / 50V DC
Accuracy	±0.02%
DC Current	0 - 50mA
Accuracy	±0.02%
Resistance	0 - 500 / 5kΩ
Accuracy	±0.05%
Frequency	0 - 500 / 5k / 50kHz
Accuracy	±2digits
Temperature through PT-100 Sensor	-200°C to 800°C
Accuracy	±0.5°C
Temperature through PT-200 Sensor	-200°C to 630°C
Accuracy	±0.8°C
Temperature through PT-500 Sensor	-200°C to 630°C
Accuracy	±0.4°C
Temperature through PT-1000 Sensor	-200°C to 630°C
Accuracy	±0.3°C
Temperature through Cu-10 Sensor	-100°C to 260°C
Accuracy	±1.8°C
Temperature through Cu-50 Sensor	-50°C to 150°C
Accuracy	±0.7°C
Temperature through R type Sensor	0°C to 1767°C
Accuracy	±1.5°C
Temperature through S type Sensor	0°C to 1767°C
Accuracy	±1.5°C
Temperature through B type Sensor	600°C to 1820°C
Accuracy	±1.4°C
Temperature through E type Sensor	-50°C to 1000°C
Accuracy	±0.9°C

Temperature through K type Sensor	-100°C to 1372°C
Accuracy	±0.8°C
Temperature through J type Sensor	-60°C to 1200°C
Accuracy	±0.7°C
Temperature through T type Sensor	-100°C to 400°C
Accuracy	±0.7°C
Temperature through N type Sensor	-200°C to 1300°C
Accuracy	±0.9°C
Continuity Test Facility	

Sources	
DC Voltage	0 - 100m / 1 / 10V
Accuracy	±0.02%
DC Current	0 - 20mA
Accuracy	±0.02%
Analog Transducer	-20mA
Accuracy	±0.02%
Resistance	0 - 400 / 4k / 40kΩ
Accuracy	±0.02%
Frequency	0 - 100 / 1k / 10k / 100kHz
Accuracy	±2Counts
Pulse	0 - 100 / 1k / 10kHz
Accuracy	±2Counts
Loop Power	24V
Accuracy	±10%
Switch	0 - 100 / 1k / 10k / 100kHz
Accuracy	±2%
Temperature output for Pt-100 Sensor	-200°C to 800°C
Accuracy	±0.3°C
Temperature output for Pt-200 Sensor	-200°C to 630°C
Accuracy	±0.2°C
Temperature output for Pt-500 Sensor	-200°C to 630°C
Accuracy	±0.2°C
Temperature output for Pt-1000 Sensor	-200°C to 630°C
Accuracy	±0.2°C
Temperature output for Cu-10 Sensor	-100°C to 260°C
Accuracy	±2°C
Temperature output for Cu-50 Sensor	-50°C to 150°C

Accuracy	±0.6°C
Temperature output for R type Sensor	0°C to 1767°C
Accuracy	±1.2°C
Temperature output for S type Sensor	0°C to 1767°C
Accuracy	±1.2°C
Temperature output for B type Sensor	600°C to 1820°C
Accuracy	±1.1°C
Temperature output for E type Sensor	-200°C to 1000°C
Accuracy	±0.4°C
Temperature output for K type Sensor	-200°C to 1372°C
Accuracy	±0.5°C
Temperature output for J type Sensor	-200°C to 1200°C
Accuracy	±0.5°C
Temperature output for T type Sensor	-250°C to 400°C
Accuracy	±0.6°C
Temperature output for N type Sensor	-200°C to 1300°C
Accuracy	±0.7°C
Pressure (Source + Measurement)	2.49kPa ~ 70MPa
(Depending on the pressure module used)	



Metravi Hart Calibrator Model 49H

3.2 inches color TFT Display	
Adjustable Backlit	
25%, 100% step output	
Automatic Ramp	
Automatic Step	
mA and % Switch on the display	
IP65 Dust and Water Proof	
Alkaline Battery Operated	
Auto Power Off	
Low Battery Display	
Confirms to EN61010-1:2001	
USB PC interface	
Sources DC Current	0.000 to 22.000mA
Accuracy	0.01%
Analogue Transmitter Output	0.000 ~ 22.000mA
Accuracy	0.01%
Measurement of DC Voltage	-2.000 ~ 28.000V
Accuracy	0.01%
Measurement of DC Current	-4.000 ~ 33.000mA
Accuracy	0.01%
Loop Power Supply 24V DC	
HART Communication: Supports HART General Instruction and application instructions. Able to read the device basic information, perform diagnostic testing and Calibration to fine tune most of the HART Transmitters.	
Can store 20 HART Device configuration files	



Metravi Universal Calibrator Model 724 (Cont.)

Accuracy	1°C
J-type Sensor	-200 to 1200°C
Accuracy	1°C
T-type Sensor	-200 to 400°C
Accuracy	1°C
PT100-385 Sensor	-200.0°C-850.0°C
Accuracy	0.8°C
PT100-3926 Sensor	-200.0°C-850.0°C
Accuracy	0.8°C
PT100-JIS Sensor	-200.0°C-850.0°C
Accuracy	0.8°C
PT200-385 Sensor	-200.0°C-630.0°C
Accuracy	0.7°C
PT500-385 Sensor	-200.0°C-630.0°C
Accuracy	0.8°C
PT1000-385 Sensor	-200.0°C-630.0°C
Accuracy	0.8°C
Cu-100 Sensor	-50.0°C-150.0°C
Accuracy	1°C
Cu-50 Sensor	-50.0°C-150.0°C
Accuracy	1°C
Resistance Measurement	0 - 400 / 400-4000 Ohms
Measurement can be done in 4W, 3W and 2W systems	
Accuracy	0.05%
Resistance Output	5.00Ω - 400.00Ω / 400.0 - 1500.0Ω
Accuracy	0.05%

Metravi Universal Calibrator Model 724

5-1/2 Digits Large LCD Matrix display	
The Temperature Can be directly measured and sourced	
High Capacity In-built battery for longer duration of use	
The connection diagram is displayed on-screen	
Auto Triangle wave/step wave signal output	
DC Voltage Measurement	0 - 90mV / 0 - 24V / 0 - 30V
DC Voltage Source	0 - 90mV / 20V
Accuracy	0.05%
mV Measurement & Source	-10 to 80mV
Accuracy	0.05%
DC Current Measurement & Source	0 - 24mA
Accuracy	0.05%
Temperature Measurement & Source	
S-type Sensor	-50 to 1760°C
Accuracy	1.5°C
R-type Sensor	-50 to 1760°C
Accuracy	1.3°C
B-type Sensor	200 to 1800°C
Accuracy	2.3°C
K-type Sensor	-200 to 1370°C
Accuracy	1.3°C
N-type Sensor	-200 to 1300°C
Accuracy	1.3°C
E-type Sensor	-200 to 1000°C



Carbon Mono Oxide Meter

Metravi CO-09

Detects the presence of carbon monoxide (CO) and measures concentrations between 1-1000 parts per million (PPM)

The Meter indicates the presence of carbon monoxide in two ways:

1. By a reading on the LCD in PPM.
2. By a beeper tone.

Above 200 PPM, the beeper sounds continuously with the concentration of CO.

From 35 PPM to 200 PPM, the beeper sounds discontinuously with the concentration of CO.

Max Hold and Data Hold Facility

Display	Backlit LCD
Range	0 to 1000PPM
Resolution	1PPM
Accuracy	±5% or ±10 PPM
Warm up period	<2 seconds
Auto Power Off	



Metravi CO-10

The Carbon Monoxide Meter detects the presence of carbon monoxide (CO) and measures concentrations between 1-1000 parts per million (PPM).

The Meter indicates the presence of carbon monoxide in two ways:

1. By a reading on the LCD in PPM.
2. By a beeper tone.

The beeper functions much like clicking of a Geiger counter:

Above 200 PPM, the beeper sounds continuously with the concentration of CO.

From 35 PPM to 200 PPM, the beeper sounds discontinuously with the Concentration of CO.

Measuring range	0 to 1000 PPM
Measurement Resolution	1PPM
Accuracy	±5% or ±10 PPM
Auto power off	
Warm up period	<2 seconds
Sensor type	Stabilized electrochemical Gas-specific (CO)
Max recording, Recall of stored data	
Measuring Time Display	



Metravi CET-02

Widely applied in ground resistance measurement, loop resistance measurement in fields such as electric power, telecommunications, meteorology, oil field, architecture and industrial electrical equipment .

When measuring ground system with loop, there is no need to disconnect the ground wire without auxiliary electrode, which means safer and faster.

Clamp Earth Resistance Tester can measure the ground fault which can not be measured by traditional method, can apply in the occasion where traditional methods are unworkable.

The latest updated series Clamp Earth Resistance Testers have better performance: Boot up instantly, avoid boot up errors; More reliable battery cover, convenient to change battery; Wider range, larger memory; Optional RS232 interface, available to transfer data to PC and generate report files, easy to analyse or backup data.

Clamp Jaw	32 x 65 mm
Display	4 digit Backlit LCD
Resistance Range	0.01 to 1500 Ω
Resolution	0.01 Ω
Storage of Measured Data	99 Data
Setting of Resistance Alarm Critical Value	1 – 199 Ω
Data Hold, Auto Power Off	



Clamp On Ground Resistance Tester

Metravi CET-01

Widely applied in ground resistance measurement, loop resistance measurement in fields such as electric power, telecommunications, meteorology, oil field, architecture and industrial electrical equipment .

When measuring ground system with loop, there is no need to disconnect the ground wire without auxiliary electrode, which means safer and faster.

Clamp Earth Resistance Tester can measure the ground fault which can not be measured by traditional method, can apply in the occasion where traditional methods are unworkable.

The latest updated series Clamp Earth Resistance Testers have better performance: Boot up instantly, avoid boot up errors; More reliable battery cover, convenient to change battery; Wider range, larger memory; Optional RS232 interface, available to transfer data to PC and generate report files, easy to analyse or backup data.

Clamp Jaw	32mm
Display	4 digit Backlit LCD
Resistance Range	0.01 to 1500 Ω
Resolution	0.01 Ω
Storage of Measured Data	99 Data
Setting of Resistance Alarm Critical Value	1 – 199 Ω
Data Hold, Auto Power Off	



Metravi CET-03

Widely applied in ground resistance measurement, loop resistance measurement in fields such as electric power, telecommunications, meteorology, oil field, architecture and industrial electrical equipment .

Can measure the leakage current of ground wire.

Clamp Earth Resistance Tester measures the integrated value of ground resistance and resistance lead.

When measuring ground system with loop, there is no need to disconnect the ground wire without auxiliary electrode, which means safer and faster.

Clamp Earth Resistance Tester can measure the ground fault which can not be measured by traditional method, can apply in the occasion where traditional methods are unworkable.

The latest updated series Clamp Earth Resistance Testers have better performance: Boot up instantly, avoid boot up errors; More reliable battery cover, convenient to change battery; Wider range, larger memory; Optional RS232 interface, available to transfer data to PC and generate report files, easy to analyse or backup data.

Clamp Jaw	32 x 65 mm
Display	4 digit Backlit LCD
Resistance Range	0.01 to 1500 Ω
Resolution	0.01 Ω
Current Range	0.00-30.00A
Resolution	0.05mA
Storage of Measured Data	99 Data
Setting of Resistance Alarm Critical Value	1 – 199 Ω
Setting Range of Current Alarm Critical Value	1-499mA
Data Hold, Auto Power Off	



Metravi CET-04

Widely applied in ground resistance measurement, loop resistance measurement in fields such as electric power, telecommunications, meteorology, oil field, architecture and industrial electrical equipment.

Can measure the leakage current of ground wire. Clamp Earth Resistance Tester measures the integrated value of ground resistance and resistance lead.

When measuring ground system with loop, there is no need to disconnect the ground wire without auxiliary electrode, which means safer and faster.

Clamp Earth Resistance Tester can measure the ground fault which can not be measured by traditional method, can apply in the occasion where traditional methods are unworkable.

The latest updated series Clamp Earth Resistance Testers have better performance: Boot up instantly, avoid boot up errors; More reliable battery cover, convenient to change battery; Wider range, larger memory; Optional RS232 interface, available to transfer data to PC and generate report files, easy to analyse or backup data.

Clamp Jaw	32mm
Display	4 digit Backlit LCD
Resistance Range	0.01 to 1500 Ω
Resolution	0.01 Ω
Current range	0.00-30.00A
Resolution	0.05mA
Storage of Measured Data	99 Data
Setting of Resistance Alarm Critical Value	1 – 199Ω
Setting Range of Current Alarm Critical Value	1-499mA
Data Hold, Auto Power Off	



Metravi CET-06

Widely applied in ground resistance measurement, loop resistance measurement in fields such as electric power, telecommunications, meteorology, oil field, architecture and industrial electrical equipment .

When measuring ground system with loop, there is no need to disconnect the ground wire without auxiliary electrode, which means safer and faster.

Clamp Earth Resistance Tester can measure the ground fault which can not be measured by traditional method, can apply in the occasion where traditional methods are unworkable.

The latest updated series Clamp Earth Resistance Testers have better performance: Boot up instantly, avoid boot up errors; More reliable battery cover, convenient to change battery; Wider range, larger memory; Optional RS232 interface, available to transfer data to PC and generate report files, easy to analyse or backup data

Clamp Jaw	32 mm
Display	4 digit Backlit LCD
Resistance Range	0.01 to 200 Ω
Resolution	0.01 Ω
Storage of Measured Data	99 Data
Setting of Resistance Alarm Critical Value	1 – 199 Ω
Data Hold, Auto Power Off	



Coatmeter

Metravi CTG-01

Measures coating Thickness on both Ferrous and Non Ferrous materials

The CTG-01 coating thickness gauges work either on the magnetic induction or on the eddy current principle, depending on the type of probe used

You can select the type of probe via MENU system or it will work automatically

Operating with MENU Easily

Zero Calibrating Easily

Low Battery , error indication

USB Interface for PC analysis software

Disable Auto Power Off function via MENU setting

Measuring Ranges

Ferrous	0 ~ 1250um 0 ~ 49.21mils
Non Ferrous	0 ~ 1250um 0 ~ 49.21mils

Guaranteed Tolerance

Ferrous	±3% ±1um ±3% ± 0.039 mils
Non Ferrous	±3% ±1.5um ±3% ± 0.059mils

Precision

Ferrous	0.1um / 0.001 mils
Non Ferrous	0.1um / 0.001 mils

Minimum Curvature radius

Ferrous : 1.5mm / Non-Ferrous : 3mm

Diameter of Minimum Area

Ferrous : 7 mm / Non ferrous : 5mm

Basic critical thickness

Ferrous : 0.5mm / Non Ferrous : 0.3mm

Metravi CET-05

Widely applied in ground resistance measurement, loop resistance measurement in fields such as electric power, telecommunications, meteorology, oil field, architecture and industrial electrical equipment.

When measuring ground system with loop, there is no need to disconnect the ground wire without auxiliary electrode, which means safer and faster.

Clamp Earth Resistance Tester can measure the ground fault which can not be measured by traditional method, can apply in the occasion where traditional methods are unworkable.

The latest updated series Clamp Earth Resistance Testers have better performance: Boot up instantly, avoid boot up errors; More reliable battery cover, convenient to change battery; Wider range, larger memory; Optional RS232 interface, available to transfer data to PC and generate report files, easy to analyse or backup data.

Clamp Jaw	32 x 65 mm
Display	4 digit Backlit LCD
Resistance Range	0.01 to 200 Ω
Resolution	0.01 Ω
Storage of Measured Data	99 Data
Setting of Resistance Alarm Critical Value	1 – 199 Ω
Data Hold, Auto Power Off	



Metravi CTG-02

Measures coating Thickness on both Ferrous and Non Ferrous materials

Measured Coatings: Non-magnetic coatings (e.g. paint, zinc) on steel; Insulating coatings(e.g. paint, anodizing coatings)on no-ferrous metals

Operating with MENU Easily.

Memory for 2500 readings

Delete single readings and all group readings easily

Error indication

Disable Auto-Power-off function via MENU setting

Separate sensor with cable to be attached to the instrument

Bluetooth Interface & Software

Measuring Ranges

Ferrous	0 ~ 2000um 0 ~ 78.7mils
Non Ferrous	0 ~ 2000um 0 ~ 78.7mils

Guaranteed Tolerance

Ferrous	±2% +2um ±2% ± 0.08 mils
Non Ferrous	±2% +2um ±3% ± 0.08 mils

Precision

Ferrous	0.1um / 0.001 mils
Non Ferrous	0.1um / 0.001 mils

Minimum Curvature radius

Ferrous : 1.5mm / Non-Ferrous : 3mm

Diameter of Minimum Area

Ferrous : 7 mm / Non ferrous : 5 mm

Basic critical thickness

Ferrous : 0.5mm / Non Ferrous : 0.3mm



Current Transducer

Metravi CE-0102CT

Input and outputs are Isolated

Type DIN RAIL Mounting

AC Input 0-5A (Direct), 0 - 1A (Direct), CTR/5A, CTR/1A for Higher Currents

DC Output Current(mA) : 4-20Voltage (V) : 0- 10 (Other Voltage and current outputs available on request)

Single Output is standard Dual Output available on request

Auxiliary 110/230V AC ± 10% (Any One) DC

Auxiliary Power Supply available on request

Accuracy Standard : ± 0.5% of Span Optional: On Request



Data Logger for Sound Level

Metravi DL-SL-01

This unit conforms to the IEC61672-1 CLASS2 for Sound Level Meter.

NORM (Normal) & PEAK mode

Data manage : STORE, REAL TIME

Over range indication

A & C Weighting

FAST & SLOW response

Manual & Automatic Start Modes

Measurement Range 30dB to 130dB

Accuracy ±1.4dB

Frequency Range 31.5Hz to 8kHz

Data Memory 129920 Data

Sampling Rate Settable from 1 Sec. to 24 Hours.

With USB PC Interface Cable and Software



Combustible Gas Leakage Detector

Metravi GLD-01

16" inch gooseneck detector makes it possible to reach "hard reached" areas

Highly sensitive and reliable

Easy to use: One hand operation with thumb controlled tick adjust knob. Tick accelerates when sensor tip approaches leak.

Use in contaminated environments: Eliminates background gas concentration with fully adjustable tick rate.

Pinpoint small leaks: Detects all combustible gas leaks even tiny leaks.

Sensor Type: Solid State

Alarm: Visible & Audible at 10% LEL for Methane. Can be calibrated for other concentrations or gases

Warm up - Approx 1min.

Response time < 2 secs

Battery Operated.

Gas Detected: Natural Gas, Propane, Butane, Methane, Acetone, Alcohol, Ammonia, Steam, Carbon Monoxide (not to quantify), Gasoline, Jet Fuel, Hydrogen Sulfide, Smoke, Industrial Solvents, Lacquer Thinner, Naphtha



Data Logger for Temperature & Humidity

Metravi DL-TH-01

Designed with high accuracy sensor for temperature & humidity

Fast Response and Highly Stable

Used for Monitoring and collecting data of environmental temperature and humidity

Memory for 32700 values

LCD to show logging information easily

Freely selectable measurement cycle from 1 sec. to 24h

Download collected data through PC's USB

Alarm display if user-defined maximum/minimum values are exceeded

Analysis software used to view graph for logging data

Relative Humidity Range 0 to 100% RH

Accuracy ±3.0%

Temperature -40 to 70°C

Accuracy ±1°C

Sampling Rate Settable from 1 Sec. to 24 Hours

With USB PC Interface Cable and Software



Data Logger for Voltage and Current

MetraVi DL-VI-01

Single Channel Input	
Measures and records virtual value of Voltage and Current of AC Signal	
Stores 100,096 Data	
AC Voltage Range	10V ~ 600V (40Hz ~ 1kHz)
Accuracy	± 2%
AC Current Range	10A ~ 200A (50 / 60Hz)
Accuracy	± 2%
Wave Record Function	Records the wave which exceeds the set Voltage / Current.
Real Time Display, Calibrated with software	
Max / Min Reading Hold	
Peak Hold Function	
USB PC Interface with software	



MetraVi RPS-3005

Utilizes SMT Technology	
LED Display	
Voltage and Current displayed together	
Multi-turn variable device to provide high precision voltage setting.	
Auto-tracking on PARALLEL and SERIAL working condition	
Presetting the voltage and current	
DC Output Switch	
Extended output terminals	
Continuous working under full load condition	
Constant Current and Constant Voltage Protection	
Short Circuit protection	
Input	220 / 110V ±10% 50~60Hz
Variable Output Voltage	0 - 30V DC
Variable Output Current	0 - 5A



DC High Voltage Test Set

MetraVi DCHV

These are suitable for testing electrical insulation of condensers, plastic line tanks, electric cables, PIV of diodes and many other items and particularly motors, transformers, switch gears etc and particularly applicable for testing electrical equipment at site where portability is vital

Generally available in one unit and sets for higher output voltage are available in two units.

However, in case if required sets in more than two units can also be manufactured.

Input: 230V, 50Hz AC (Sets with other voltage and frequency can also be made)

Output: Continuously variable from zero to max. rated output voltage

Sets with 3kV to 300kV output voltage can be made with current capacities of 100mA and 500mA

Max. Capacity: Available in different standard current capacities of 3mA, 5mA, 10mA, 20mA, 30mA, 50mA, 100mA and 300mA can be made AC and DC combined high voltage sets are also available

Complete with power chord, instruction manual and test certificate



MetraVi RPS-3010

Utilizes SMT Technology	
Attractive Digital Display showing Voltage and Current	
High Precision Voltage Regulation	
Progressive Current Regulation	
Dual Terminal System: Safety test style or expanded screw terminals.	
Overload and Short Circuit Protection	
Rugged Reinforced Metal Frame Construction.	
Output Polarity : Positive and Negative	
Input	230V AC 50Hz
Variable Output Voltage	0 – 30V DC
Variable Output Current	0 – 10A DC



MetraVi RPS-3020

Utilizes SMT Technology	
Attractive Digital Display showing Voltage and Current	
High Precision Voltage Regulation	
Progressive Current Regulation	
Dual Terminal System: Safety test style or expanded screw terminals.	
Overload and Short Circuit Protection	
Rugged Reinforced Metal Frame Construction.	
Output Polarity : Positive and Negative	
Input	230V AC 50Hz
Variable Output Voltage	0 – 30V DC
Variable Output Current	0 – 20A DC



DC Regulated Power Supply

MetraVi RPS-3002

Utilizes SMT Technology	
LED Display	
Voltage and Current displayed together	
Multi-turn variable device to provide high precision voltage setting.	
Auto-tracking on PARALLEL and SERIAL working condition	
Presetting the voltage and current	
DC Output Switch	
Extended output terminals	
Continuous working under full load condition	
Constant Current and Constant Voltage Protection	
Short Circuit protection	
Input	220 / 110V ±10% 50~60Hz
Variable Output Voltage	0 - 30V DC
Variable Output Current	0 - 2A



MetraVi RPS-3030

Utilizes SMT Technology	
Red LED Display	
Voltage and Current displayed together	
Voltage and Current adjustment by COARSE and FINE Controls	
Multi-turn variable device to provide high precision voltage setting	
Continuous working under full load condition	
Constant Current and Constant Voltage Protection	
Short Circuit protection	
Input	220 / 110V ±10% 50~60Hz
Variable Output Voltage	0 - 30V DC
Variable Output Current	0 - 30A
Working hours	8 hours continuous working



Metravi RPS-6002

Utilizes SMT Technology	
LED Display	
Voltage and Current displayed together	
Multi-turn variable device to provide high precision voltage setting.	
Auto-tracking on PARALLEL and SERIAL working condition	
Presetting the voltage and current	
DC Output Switch	
Extended output terminals	
Continuous working under full load condition	
Constant Current and Constant Voltage Protection	
Short Circuit protection	
Input	220 / 110V ±10% 50~60Hz
Variable Output Voltage	0 - 60V DC
Variable Output Current	0 - 2A



Metravi RPS-6020

Utilizes SMT Technology	
Red LED Display	
Voltage and Current displayed together	
Voltage and Current adjustment by COARSE and FINE Controls	
Multi-turn variable device to provide high precision voltage setting.	
Continuous working under full load condition	
Constant Current and Constant Voltage Protection	
Short Circuit protection	
Input	220 / 110V ±10% 50~60Hz
Variable Output Voltage	0 - 60V DC
Variable Output Current	0 - 20A
Working Hours	8 hours continuous working



Metravi RPS-6005

Utilizes SMT Technology	
LED Display	
Voltage and Current displayed together	
Multi-turn variable device to provide high precision voltage setting.	
Auto-tracking on PARALLEL and SERIAL working condition	
Presetting the voltage and current	
DC Output Switch	
Extended output terminals	
Continuous working under full load condition	
Constant Current and Constant Voltage Protection	
Short Circuit protection	
Input	230V AC 50Hz
Variable Output Voltage	0 - 60V DC
Variable Output Current	0 - 5A DC



Metravi RPS-6030

Utilizes SMT Technology	
Red LED Display	
Voltage and Current displayed together	
Voltage and Current adjustment by COARSE and FINE Controls	
Multi-turn variable device to provide high precision voltage setting.	
Continuous working under full load condition	
Constant Current and Constant Voltage Protection	
Short Circuit protection	
Input	220 / 110V ±10% 50~60Hz
Variable Output Voltage	0 - 60V DC
Variable Output Current	0 - 30A
Working Hours	8 hours continuous working



Metravi RPS-6010

Utilizes SMT Technology	
Attractive Digital Display showing Voltage and Current	
High Precision Voltage Regulation	
Progressive Current Regulation	
Dual Terminal System: Safety test style or expanded screw terminals.	
Overload and Short Circuit Protection	
Rugged Reinforced Metal Frame Construction.	
Output Polarity : Positive and Negative	
Input	230V AC 50Hz
Variable Output Voltage	0 - 60V DC
Variable Output Current	0 - 10A DC



Metravi RPS-3002-2

Dual Channel output	
Dual Red LED Display	
Voltage and Current displayed together	
Multi-turn variable device to provide high precision voltage setting.	
Continuous working under full load condition	
Constant Current and Constant Voltage Protection	
Short Circuit protection	
Input	220V ±10% 50~60Hz
Variable Output Voltage	2 x 0 - 30V DC
Variable Output Current	2 x 0 - 2A



Metravi RPS-3005-2

Dual Channel output	
Dual Red LED Display	
Voltage and Current displayed together	
Multi-turn variable device to provide high precision voltage setting.	
Continuous working under full load condition	
Constant Current and Constant Voltage Protection	
Short Circuit protection	
Input	220V ±10% 50~60Hz
Variable Output Voltage	2 x 0 - 30V DC
Variable Output Current	2 x 0 - 5A



Metravi RPS-3003-3

Dual Channel Variable output	
Single Channel Fixed output	
Dual Red LED Display	
Voltage and Current displayed together	
Multi-turn variable device to provide high precision voltage setting.	
Continuous working under full load condition	
Constant Current and Constant Voltage Protection	
Short Circuit protection	
Input	220V ±10% 50~60Hz
Variable Output Voltage	2 x 0 - 30V DC
Variable Output Current	2 x 0 - 3A
Fixed Output	5V / 3A



Metravi RPS-3005-3

Dual Channel Variable output	
Single Channel Fixed output	
Dual Red LED Display	
Voltage and Current displayed together	
Multi-turn variable device to provide high precision voltage setting	
Continuous working under full load condition	
Constant Current and Constant Voltage Protection	
Short Circuit protection	
Input	220V ±10% 50~60Hz
Variable Output Voltage	2 x 0 - 30V DC
Variable Output Current	2 x 0 - 5A
Fixed Output	5V / 3A



DDS Function Generator

Metravi DDS-1005

Sine wave output of 5MHz, full frequency range resolution is 1μHz
Square wave/pulse waveform of 5MHz, its rising, falling, and duty cycle time are adjustable
Uses DDS implementation method, with 125M/s sampling rate and 14bits vertical resolution
6-bit high precision frequency counter that is TTL level compatible
Arbitrary waveform storage of 2048 points, and it can store up to 16 groups of nonvolatile digital arbitrary waveforms
Abundant modulation types: AM, FM, PM, ASK, FSK, PSK, PWM
Powerful PC software
4.3-inch high resolution TFT liquid crystal display
Standard configuration interface: USB Device
Supports internal/external modulation and internal/external/manual trigger Supports sweep output
Easy-to-use multifunctional knob and number keyboard



Metravi DDS-1010

Sine wave output of 10MHz, full frequency range resolution is 1μHz
Square wave/pulse waveform of 5MHz, its rising, falling, and duty cycle time are adjustable
Uses DDS implementation method, with 125M/s sampling rate and 14bits vertical resolution
6-bit high precision frequency counter that is TTL level compatible
Arbitrary waveform storage of 2048 points, and it can store up to 16 groups of nonvolatile digital arbitrary waveforms
Abundant modulation types: AM, FM, PM, ASK, FSK, PSK, PWM
Powerful PC software
4.3-inch high resolution TFT liquid crystal display
Standard configuration interface: USB Device
Supports internal/external modulation and internal/external/manual trigger Supports sweep output
Easy-to-use multifunctional knob and number keyboard



Metravi DDS-1025

- 25 MHz sinewave out, down to 1µHz resolution for full frequency range.
- 25 MHz (or 5 MHz) pulse waveform with adjustable rise & fall time and duty cycle.
- 250MSa/s (or 125MSa/s) sample rate and 14-bit vertical resolution. 6-digit high precision meter that is compatible with TTL level signal
- Standard dual channels with independent output mode
- 1M (or 8K) arbitrary wave form memory and 48 waveforms non-volatile storage.
- Multiple modulation types : AM, FM, PM, ASK, FSK, PSK, PWM.
- Powerful software available to use in PC.
- 4.3 inches high-resolution TFT color display
- Standard Interfaces: USB Host, USB Device
- Dual channels can be applied at the same time or independently: internal/external modulation, internal/external/manual trigger.
- Support frequency sweep and burst output
- Ease-of-use multipurpose knob and numeric keypad



Metravi DDS-1060

- 60 MHz sine wave out, down to 1µHz resolution for full frequency range.
- 25 MHz (or 5 MHz) pulse waveform with adjustable rise & fall time and duty cycle.
- 250MSa/s (or 125MSa/s) sample rate and 14-bit vertical resolution. 6-digit high precision meter that is compatible with TTL level signal
- Standard dual channels with independent output mode
- 1M (or 8K) arbitrary wave form memory and 48 waveforms non-volatile storage.
- Multiple modulation types : AM, FM, PM, ASK, FSK, PSK, PWM.
- Powerful software available to use in PC.
- 4.3 inch high-resolution TFT color display
- Standard Interfaces: USB Host, USB Device
- Dual channels can be applied at the same time or independently: internal/external modulation, internal/external/manual trigger.
- Support frequency sweep and burst output
- Ease-of-use multipurpose knob and numeric keypad



Digital AC/DC Clamp Meter

Metravi DT-230

- Data Hold Facility
- Built-in Non Contact Voltage Detector
- Fully Protected up to 600V DC/AC RMS in all ranges including Frequency, Resistance, Capacitance and Continuity test
- Low Battery and Over Range Indication
- Display 3-3/4 Digits 3999 Counts Backlit LCD
- Confirms to CAT III 600V
- Clamp Jaw Dia 30mm
- DC Voltage 0 - 400mV/4V/40V/600V
- Accuracy ±0.8%
- AC Voltage 0 - 4/40/400/600V
- Accuracy ±1.5%
- DC Current 0 - 40/400A
- Accuracy ±2.5%
- AC Current 0 - 40/400A
- Accuracy ±2.5%
- Resistance 0 - 400/4k/40k/ 400k/4M/40MΩ
- Accuracy ±1.0%
- Temperature -20°C to 760°C / -4°F to 1400°F
- Accuracy ±3.0%
- Frequency 10Hz~ 10KHz
- Accuracy ±1.5%
- Capacitance 0 - 40n/400n/4µ/40µ/100µF
- Accuracy ±3.0%
- Diode Test and Continuity Test
- Confirms to CE, IEC 61010, CAT-III 600V



Metravi DT-325

- 3-3/4 Digits, 4000 Counts, Backlit Display
- Clamp Jaw Dia 23 mm
- Data Hold to Freeze Displayed Data
- AC Current 0 - 40 / 400A
- Accuracy ±3%
- DC Current 0 - 40 / 400A
- Accuracy ±2.5%
- AC Voltage 0 - 400mV / 4 / 40 / 400 / 600V
- Accuracy ±1.0%
- DC Voltage 0 - 4 / 40 / 400 / 600V
- Accuracy ±0.8%
- Resistance 0 - 400 / 4k / 40k / 400k / 4M / 40MΩ
- Accuracy ±1.0%
- Capacitance 0 - 40n / 400n / 4u / 40u / 100uF
- Accuracy ±3.0%
- Frequency 0 - 5 / 50 / 500 / 5k / 50k / 150kHz
- Accuracy ±1.2%
- Duty Cycle 0.5 to 99.0%
- Accuracy ±1.2%
- Complete with Carrying Case, Test Leads, Instruction Manual



MetraVi DT-6250

Data Hold Facility	
Built-in Non Contact Voltage Detector	
Low Battery and Over Range Indication	
Display	3-3/4 Digits 3999 Counts Backlit LCD
Confirms to CAT III 600V	
Clamp Jaw Dia	30mm
DC Voltage	0 - 400m / 4 / 40 / 400 / 600V.
Accuracy	±0.8%
AC Voltage	0 - 400m / 4 / 40 / 400 / 600V.
Accuracy	±1.5%
DC Current	0 - 40/400A.
Accuracy	±2.5%
AC Current	0 - 40/400A.
Accuracy	±2.5%
Resistance	0 - 400 / 4k / 40k / 400k / 4M / 40MΩ
Accuracy	±1.0%
Temperature	-20°C to 760°C / -4°F to 1400°F
Accuracy	±3.0%
Frequency	0 - 10 ~ 10KHz
Accuracy	±1.5%
Capacitance	0 - 40n / 400n / 4μ / 40μ / 100μF
Accuracy	±3.0%
Diode Test and Continuity Test	
Confirms to CE, IEC 61010, CAT-III 600V	



MetraVi DT-725

Display	Backlit liquid crystal display (LCD);
Maximum display	5999 (3 5/6) bit automatic polarity display;
Auto-Ranging, T-RMS Measurements	
Measurement method	double integral A/D conversion;
Sampling rate	about 3 times per second;
Over-range display	The highest position shows "OL";
Low voltage display	"E-3" symbol appears;
Non Contact Voltage Detector	
Flashlight to access dark areas	
Data Hold to Freeze Displayed Data	
Relative Measurement	
DC Voltage	0 - 6/60/600/1000V DC
Accuracy	0.5%
AC Voltage (T-RMS)	0 - 6/60/600/750V AC
Accuracy	0.8%
DC Current	0 - 60/600A DC
Accuracy	2%
AC Current (T-RMS)	0 - 60/600A AC
Accuracy	2%
Resistance	0 - 600/6k/60k/600k/6M/40M.Ohms
Accuracy	0.8%
Capacitance	0 - 60n/600n/6u/60u/600u/6m/30mF
Accuracy	3.5%
Frequency	0 - 10/100/1k/10k/100k/1M/ 10MHz
Accuracy	0.1%
Temperature	-20 to 1000 Degree C
Accuracy	1%
Square Wave Output	50Hz to 5000Hz
Diode & Continuity Test.	



MetraVi DT-425T

3-3/4 Digits 3999 Counts Backlit LCD Display	
Built-in Flash light to access dark areas	
Non Contact Voltage Detector to show the presence of Voltage	
Sleek Ergonomic Design	
Confirms to IEC/EN 61010-1, IEC/EN 61010-2-032 & IEC/EN 61010-2-033	
Confirms to UL, CAT-III 600V	
Data Hold to Freeze Displayed Data	
MAX-MIN record function	
Relative measuring facility	
30mm Jaw Dia	
Overload indication	
600V AC/DC Protection in all ranges	
Auto Power Off	
AC T-RMS Current	0 - 40 / 600A
Accuracy	±2.5%
DC Current	0 - 40 / 600A
Accuracy	±2%
AC T-RMS Voltage	0 - 4 / 40 / 400 / 600V
Accuracy	±1.2%
DC Voltage	0 - 400m / 4 / 40 / 400 / 600V
Accuracy	±0.8%
Resistance	0 - 400 / 4k / 40k / 400k / 4M / 40MΩ
Accuracy	±1%
Capacitance	0 - 40n / 400n / 4μ / 40μ / 400μ / 4m / 40mF
Accuracy	±4%
Frequency	10Hz ~ 1MHz
Accuracy	±0.1%
Temperature	-40 to 1000°C
Accuracy	±1%
Continuity & Diode Test	



MetraVi DT-1350

Display	3 1/2 Digit (2000 Counts) LCD Display
DCA ZERO & BACKLIGHT	
DATA HOLD	
Diode Test & Continuity Test	
500V DC/AC Protection on all ranges	
Jaw Opening :	Approx. 60mm (Suitable For Conductor of 40mm Diameter)
Over Range Indication	
Overload Protection	
Low Battery Indication	
CE CAT III 600V	
AC Current	0 - 200 / 1000A
Accuracy	±3%
DC Current	0 - 200 / 1000A
Accuracy	±3%
DC Voltage	0 - 200mV / 2 / 20 / 200 / 1000V
Accuracy	±0.8%
AC Voltage	0 - 200 / 750V
Accuracy	±1.5%
Resistance	0 - 200 / 2k / 20k / 200k / 2MΩ
Accuracy	±1.5%



Metravi DT-1350A

Display	3 1/2 Digit (2000 Counts) LCD
DCA ZERO & BACKLIGHT	
DATA HOLD	
Diode Test & Continuity Test	
500V DC/AC Protection on all ranges	
Jaw Opening	Approx. 60mm (Suitable For Conductor of 40mm Diameter)
Over Range Indication	
Overload Protection	
Low Battery Indication	
CE CAT III 600V	
AC Current	0 - 200 / 1000A
Accuracy	±3%
DC Current	0 - 200 / 1000A
Accuracy	±3%
DC Voltage	0 - 200mV / 2 / 20 / 200 / 1000V
Accuracy	±0.8%
AC Voltage	0 - 2 / 20 / 200 / 750V
Accuracy	±1.5%
Resistance	0 - 2M / 20MΩ
Accuracy	±1.5%
Capacitance	0 - 9.999nF / 99.99nF / 999.9nF / 9.999μF / 99.99μF / 999.9μF
Accuracy	±3%
Frequency	0 - 10Hz / 100Hz / 1kHz / 10kHz / 100kHz / 1MHz
Accuracy	±0.3%
Temperature	-20°C ~ 750°C
Accuracy	±1%



Metravi DT-3690 (Contd.)

DC Current (from terminal)	0- 600μ / 6000μA
Accuracy	±0.8% +10
Resistance	0 - 600 / 6k / 60k / 600k / 6M / 60MΩ
Accuracy	±0.8% +3
Temperature	-20 to 1000°C
Accuracy	±1% +5
Capacitance	0 - 60n / 600n / 6μ / 60μ / 600μ / 6000μF
Accuracy	±3.5% +20
Frequency	0 - 10 / 100 / 1k / 10k / 100k / 1M / 20MHz
Accuracy	±0.1% +3
Duty Cycle	0.1% to 99.9%
Diode Test	
Audible Continuity Test	

Metravi DT-3250

Auto-ranging AC/DC Clamp meter	
Auto Power Off	
Peak Hold and Data Hold facility	
Display	3-3/4 Digits 3999 Counts Backlit LCD with analogue bargraph
Frequency Measurement while measuring current	
Relative Measurement facility	
DC Voltage	0 - 400mV/40/400/1000V
Accuracy	±1.0%
AC Voltage	0 - 4/40/400/1000V
Accuracy	±1.2%
DC Current	0 - 400/1000A
Accuracy	±2.0%
AC Current	0 - 400/1000A
Accuracy	±2.0%
Resistance	0 - 400/4k/40k/400k/4M/40MΩ
Accuracy	±1.0%
Temperature	-20°C to 1000°C / -4°F to 1832°F
Accuracy	±3.0%
Frequency	40Hz ~ 1KHz
Accuracy	±1.0%
Capacitance	0 - 4n/40n/400n/4μ/40μ/400μF
Accuracy	±3.0%
Duty Cycle	0.5 - 99.9%
Accuracy	±1.2%
Diode Test and Continuity Test	
Confirms to CE, IEC 61010, CAT-III 1000V, CAT-IV 600V	



Metravi DT-3690

Display: 6000 Counts LCD	
T-RMS	
Auto Power Off	
Flame Sensor Current measurement	
Relative Measurement	
Clamp Jaw Dia	37.5mm
AC Voltage (T-RMS)	0 - 600mV / 6 / 60 / 600 / 750V AC
Accuracy	±0.8%+5
DC Voltage	0 - 600mV / 6 / 60 / 600 / 1000V DC
Accuracy	±0.5%+3
AC Current (T-RMS)	0 - 60 / 600 / 1000A
Accuracy	±2.0%+30
AC Current (from terminal)	0- 600μ / 6000μA
Accuracy	±0.8%+10
DC Current	0 - 60 / 600 / 1000A
Accuracy	±2.0%+30



Metravi DT-4250

Data Hold Facility
Double molded body with rubber coating
Clamp Jaw Size 30mm
Display 3-3/4 Digital 3999 Counts Backlit LCD
DC Voltage 0 - 400m/4/40/400/600V.
Accuracy ±0.8%
AC Voltage 0 - 400m/4/40/400/600V.
Accuracy ±0.8%
DC Current 0 - 40/400/1000A.
Accuracy ±2.8%
AC Current 0 - 40/400/1000A.
Accuracy ±3.0%
Resistance 0 - 400/4k/40k/400k/4M/40MΩ
Accuracy ±1.0%
Temperature -20°C to 1000°C / -4°F to 1832°F
Accuracy ±3.0%
Frequency 0 - 5/50/500/5K/50K/100KHz
Accuracy ±1.2%
Capacitance 0 - 40n/400n/4μ/40μ/100μF
Accuracy ±3.0%
Duty Cycle 0.5 - 99.9%
Accuracy ±1.2%
Diode Test and Continuity Test
Confirms to CE, IEC 61010, CAT-III 600V



Metravi DT-3600

Auto-ranging DC/AC T-RMS Clamp meter
Auto Power Off
Peak Hold and Data Hold facility
Display 3-3/4 Digits 3999 Counts Backlit LCD with analogue bargraph
Frequency Measurement while measuring current
Relative Measurement facility
DC Voltage 0 - 400m/4/40/400/1000V.
Accuracy ±1.0%
AC Voltage 0 - 4/40/400/1000V T-RMS
Accuracy ±1.2%
DC Current 0 - 400/1200A.
Accuracy ±3.0%
AC Current 0 - 400/1200A. T-RMS
Accuracy ±3.0%
Resistance 0 - 400/4k/40k/400k/4M/40MΩ
Accuracy ±1.0%
Temperature -20°C to 1000°C / -4°F to 1832°F
Accuracy ±3.0%
Frequency 40Hz ~ 1KHz
Accuracy ±1.0%
Capacitance 0 - 4n/40n/400n/4μ/40μ/400μF
Accuracy ±3.5%
Duty Cycle 0.5 - 99.9%
Accuracy ±1.2%
Diode Test and Continuity Test
Confirms to CE, IEC 61010, CAT-III 1000V, CAT-IV 600V



Metravi DT-5250

T-RMS Clamp Meter
Auto Power Off
Data Hold Facility
Clamp Jaw Size 30mm
Display 3-3/4 Digital 3999 Counts Backlit LCD
DC Voltage 0 - 400m/4/40/400/600V.
Accuracy ±0.8%
AC Voltage 0 - 400m/4/40/400/600V T-RMS.
Accuracy ±1.0%
AC Current 0 - 40/400/1000A T-RMS.
Accuracy ±2.8%
DC Current 0 - 40/400/1000A
Accuracy ±2.8%
Resistance 0 - 400/4k/40k/400k/4M/40MΩ
Accuracy ±1.0%
Temperature -40°C to 1000°C / -40°F to 1832°F
Accuracy ±2.5%
Frequency 0 - 4KHz
Accuracy ±1.5%
Capacitance 0 - 4n/40n/400n/4μ/40μ/400μ/4m/40mF
Accuracy ±3.0%
Diode Test and Continuity Test
Confirms to CE, IEC 61010, CAT-III 600V



Metravi DT-8250

Auto-ranging AC/DC Clamp meter
Auto Power Off
Peak Hold and Data Hold facility
Display 3-3/4 Digits 3999 Counts Backlit LCD with analogue bargraph
Frequency Measurement while measuring current
Relative Measurement facility
DC Voltage 0 - 400m/4/40/400/1000V.
Accuracy ±1.0%
AC Voltage 0 - 4/40/400/1000V.
Accuracy ±1.2%
DC Current 0 - 400/2000A.
Accuracy ±3.0%
AC Current 0 - 400/2000A.
Accuracy ±3.0%
Resistance 0 - 400/4k/40k/400k/4M/40MΩ
Accuracy ±1.0%
Temperature -20°C to 1000°C/-4°F to 1832°F
Accuracy ±3.0%
Frequency 10 - 100kHz (Through Terminal) 40Hz ~ 1kHz (Through Clamp)
Accuracy ±1.0%
Capacitance 0 - 4n/40n/400n/4μ/40μ/400μF
Accuracy ±3.5%
Duty Cycle 0.1 - 99.9%
Accuracy ±1.2%
Diode Test and Continuity Test
Confirms to CE, IEC 61010, CAT-III 1000V, CAT-IV 600V



Metravi DT-9250

Auto-ranging DC/AC T-RMS Clamp meter
Auto Power Off
Peak Hold and Data Hold facility
Display 3-3/4 Digits 3999 Counts Backlit LCD with analogue bargraph
Frequency Measurement while measuring current
Relative Measurement facility
DC Voltage 0 - 400mV/4V/40V/1000V.
Accuracy ±1.0%
AC Voltage 0 - 4V/40V/400V/1000V T-RMS
Accuracy ±1.2%
DC Current 0 - 400/2000A.
Accuracy ±3.0%
AC Current 0 - 400/2000A T-RMS
Accuracy ±3.0%
Resistance 0 - 400/4k/40k/400k/4M/40MΩ
Accuracy ±1.0%
Temperature -20°C to 1000°C/-4°F to 1832°F
Accuracy ±3.0%
Frequency 10 - 100kHz (Through Terminal) 40Hz ~ 1kHz (Through Clamp)
Accuracy ±1.0%
Capacitance 0 - 4n/40n/400n/4u/40μ/400μF
Accuracy ±3.5%
Duty Cycle 0.1 - 99.9%
Accuracy ±1.2%
Diode Test and Continuity Test
Confirms to CE, IEC 61010, CAT-III 1000V, CAT-IV 600V



Metravi Metraclamp-20

For the First Time in INDIA, 40,000 Counts, 4-3/4 Digits LCD Dual Display with Analogue Bargraph
Provides higher Resolution and Accuracy
Fully protected AC/DC T-RMS Clamp Meter
500V AC/DC Protection on all ranges
1000V AC/DC Protection in Voltage range.
Clamp Jaw Dia 52 mm
Low Battery and Over-range indication
Data Hold & Peak Hold
In-Rush Current Measurement
Max / Min Record Facility
Double Molded Injection Body
Auto Power Off
In-Built Non Contact Voltage Detection
DC Voltage 0 - 400mV/4V/40V/1000V
Accuracy ±0.1%
AC Voltage 0 - 400mV/4V/750V T-RMS.
Accuracy ±0.8%
AC Current 0 - 400/1500A T-RMS.
Accuracy ±3.0%
DC Current 0 - 400/1500A
Accuracy ±2.5%
Resistance 0 - 400/4k/40k/400k/4M/40MΩ
Accuracy ±0.5%
Temperature -100°C to 1000°C / -148°F to 1832°F
Accuracy ±1.0%
Frequency 0 - 40/400/4k/40k/400k/4M/ 40MHz
Accuracy ±0.3%
Duty Cycle 10.0 to 95.0%
Accuracy ±0.5%
Capacitance 0 - 400n/4000n/40μ/400μ/4m/40mF
Accuracy ±3.0%
Diode Test and Continuity Test
Confirms to CAT-IV 600V and CAT-III 1000V



Metravi Metraclamp-15

3-3/4 Digits 3999 Counts Backlit LCD Display
Jaw Dia of 52 mm
Low Battery Indication
Over range indication
Peak / Data Hold
Non Contact Voltage Detection
Auto Power Off
DC Voltage: 0 - 400mV/4V/40V/600V.
Accuracy ±0.8%
AC Voltage (T-RMS) 0 - 400mV/4V/40V/1000V.
Accuracy ±1.0%
DC Current 0 - 40 / 400 / 1000A DC
Accuracy ±2.8%
AC Current (T-RMS) 0 - 40 / 400 / 1000A DC
Accuracy ±2.8%
Resistance 0 - 400/4k/40k/400k/4M/ 40MΩ
Accuracy ±1.0%
Capacitance 0 - 4n/40n / 400n/4μ/40μ/ 400μ / 4m / 40mF
Accuracy ±3.0%
Frequency 4kHz
Accuracy ±1.5%
Temperature -20°C to 760°C / -4°F to 1400°F
Accuracy ±3.0%
Diode & Continuity Test



Digital Ammeter

Size - 96 x 96 mm. sq. 'or' 96 x 48 mm. sq. 'or' 72 x 72 mm. sq.
Display: 3-1/2 Digits 'or' 4-1/2 Digits LED Display
Ammeters for measuring AC and DC currents are available
Range: Any Single Range up to 2000A for 3-1/2 Digit Meters and any single range up to 20,000A for 4-1/2 Digits
For currents above 20A either a CT (for AC Current measurements) or Shunt (for DC Current measurements) is to be used
Auxiliary Power Supply: 230V AC 50Hz / 110V AC 50Hz / DC Auxiliary inputs also available (any one)
At the time of placing the order, please inform the current range, Shunt or CT value, auxiliary power supply, size, 3-1/2 digits / 4-1/2 digits display needs to be mentioned.
Digital Ammeter Controllers are also available



Digital Ammeter Controller

Metravi CE-0102AC2SP

Size - 96 x 96 mm. sq.

Display: 3-1/2 Digits

Can measure AC Voltage.

Range: Any Single Range up to 2000A for direct input to the meter via a CT 'or' KA rating through a CT input can be made available.

Can set single set point to activate a relay.

Potential free 1 NO+ 1NC Contact

Auxiliary Power Supply: 230V AC 50Hz / 110V AC 50Hz / DC Auxiliary inputs also available (any one)

At the time of placing the order, please inform the Current range, CTR value (if the input is through a CT), auxiliary power supply



Digital Anemometer

Metravi AVM-01

4 Digits Backlit LCD Display

Data Hold

Max / Avg. Record Function

Low Battery Indication

Over-range Indication

Auto Power Off

Displays Wind Speed, Air Temperature, Windchill & Beaufort Wind Scale

Air Velocity Displayed in m/sec, km/hr, knots, mph, ft/min

Air Velocity measurement up to 30m/sec

Air Temperature -10 to 50 Degree C

Wind-chill Display

Displays Beaufort Wind Scale Readings



Metravi AVM-02

Hand Held Pocket type Anemometer

Measures Air Speed, Air Flow (CMM/CFM)

Low Battery and Over range indication

Data Hold, Max / Min record function

4 Digits Backlit LCD Display with analogue bargraph

Range of Wind Speed: 0.8 to 40m/s with an accuracy of $\pm 2\%$

0.8 to 77.70 knots with an accuracy of $\pm 2\%$

1.4 to 144.0 km/hr with an accuracy of $\pm 2\%$

1.3 - 131.20 ft/s with an accuracy of $\pm 2\%$

0.90 - 90.00 mil/h with an accuracy of $\pm 2\%$

78 - 7874 ft/min with an accuracy of $\pm 2\%$

Range of Air Flow: 0 - 99990 CFM/CMM/9999 CMS



Metravi AVM-03

Hand Held Pocket type Thermo-Anemometer with Dew Point, Humidity measurements

USB PC Interface

Measures Air Speed, Air Flow (CMM/CFM) along with its temperature

Low Battery and Over range indication

Data Hold, Max / Min record function

4 Digits Backlit LCD Display with analogue bargraph

Range of Wind Speed: 0.8 to 40m/s with an accuracy of $\pm 2\%$

0.8 to 77.70 knots with an accuracy of $\pm 2\%$

1.4 to 144.0 km/hr with an accuracy of $\pm 2\%$

1.3 - 131.20 ft/s with an accuracy of $\pm 2\%$

0.90 - 90.00 mil/h with an accuracy of $\pm 2\%$

78 - 7874 ft/min with an accuracy of $\pm 2\%$

Range of Air Flow: 0 - 99990 CFM / CMM / 9999 CMS

Ambient Temperature, Dew Point and Wet Bulb Temperature: -10 to 60°C / 14.0° to 140.0°F

Relative Humidity: 20 to 80%RH



Metravi AVM-04

Displays Air Velocity and Temperature at the same time

Highly Sensitive and accurate

Temperature sensor built-in with anemometer fan

Low Power Consumption

Data / Max. / Min. Hold facility

Auto Power Off

Low Friction Ball bearing vane wheel for high accuracy

Extra Large Dual LCD Display

Range of Wind Speed :

0.3 to 45m/s with an accuracy of $\pm 3\%$

0.6 to 88.0 knots with an accuracy of $\pm 3\%$

1.0 to 140.0 km/hr with an accuracy of $\pm 3\%$

0 - 8800ft/min with an accuracy of $\pm 3\%$

Range of Temperature: 0° to 60.0°C / 32.0° to 140.0°F

Accuracy: $\pm 1.5^\circ\text{C} / \pm 2^\circ\text{F}$



Metravi AVM-05

Displays Air Velocity and Temperature at the same time

Has facility to measure wind flow also

Highly Sensitive and accurate

Temperature sensor built-in with anemometer fan

Low Power Consumption

Data Hold and Max / Min record facility

Auto Power Off

Low Friction Ball bearing vane wheel for high accuracy

20 point averaging is done for airflow measurement

Extra Large Dual LCD Display

Range of Wind Speed :

0.4 to 30m/s with an accuracy of $\pm 3\%$

0.8 to 58.0 knots with an accuracy of $\pm 3\%$

1.4 to 108.0 km/hr with an accuracy of $\pm 3\%$

80 - 5900ft/min with an accuracy of $\pm 3\%$

0.9 to 67 MPH with an accuracy of $\pm 3\%$

Range of Air Flow:

0 to 9999 CFM with an accuracy of $\pm 3\%$

0 to 9999 CMM with an accuracy of $\pm 3\%$

Range of Temperature: -10° to 60.0°C / 14.0° to 140.0°F

Accuracy : $\pm 3.0^\circ\text{C} / \pm 6^\circ\text{F}$



Metravi AVM-07

- _____ Metallic Fan Blade.
- _____ Highly sensitive and accurate instrument with easy-to use design .
- _____ In-built sensor for Temperature Measurement.
- _____ Low Power Consumption with Low battery indication.
- _____ Data Hold and Max./Min. Hold facility.
- _____ Selectable °C / °F Scales.
- _____ Auto Power Off.
- _____ Auto Power Off Disability Function .
- _____ Range of Wind Speed : 1.0 to 30m/s with an accuracy of $\pm 3\%$.
- _____ 1.9 to 58.0 knots with an accuracy of $\pm 3\%$.
- _____ 3.6 to 108.0 km/hr with an accuracy of $\pm 3\%$.
- _____ 2.2 to 67.0 MPH with an accuracy of $\pm 3\%$.
- _____ 196 to 5900 ft/min with an accuracy of $\pm 3\%$.
- _____ Range of Temperature: -10° to 60.0°C / 14.0° to 140.0°F.
- _____ Accuracy: $\pm 1.5^\circ\text{C} / \pm 3.0^\circ\text{F}$.
- _____ Confirms to CE.



Digital Anemometer with Differential Pressure Meter Model AVM-09

- _____ 0.8 to 58.0 knots with an accuracy of $\pm 3\%$.
- _____ 1.4 to 108.0 km/hr with an accuracy of $\pm 3\%$.
- _____ 80 - 5900ft/min with an accuracy of $\pm 3\%$.
- _____ 0.9 to 67 MPH with an accuracy of $\pm 3\%$.
- _____ Range of Air Flow:
- _____ 0 to 9999 CFM with an accuracy of $\pm 3\%$.
- _____ 0 to 9999 CMM with an accuracy of $\pm 3\%$.
- _____ Range of Temperature: 0 ~ 50°C
- _____ Accuracy : $\pm 1^\circ\text{C} / \pm 2^\circ\text{F}$.
- _____ Unit of measurement of pressure: psi, inH2O, bar, mbar, kPa, inHg, mmHg, ozin, ftH2O, cmH2O, kgcm.
- _____ Max / Min / Avg value recording.
- _____ Display : Dual LCD Backlit Display.
- _____ Range in Manometer mode:
- _____ inH2O : 0 - 138.3 psi : 0 - 5.
- _____ mbar : 0 - 344.7 kPa : 0 - 34.47.
- _____ inHg : 0 - 1.018 mmHg : 0 - 258.5.
- _____ ozin : 0 - 80 ftH2O : 0 - 11.53.
- _____ cmH2O : 0 - 351.5 kgcm : 0 - 0.351.
- _____ bar : 0 - 0.344 Accuracy : $\pm 0.3\%$ FSO.
- _____ Repeatability : $\pm 0.2\%$ (Max.+/- 0.5% FSO).
- _____ Linearity/Hysteresis: $\pm 0.29\%$ FSO.
- _____ Complete with carrying case, instruction manual and battery.



Digital Anemometer with Infra Red Thermometer Model AVM-08

- _____ Digital Anemometer with Air flow and Infra red temperature measurement facility
- _____ Simultaneous display of Air temperature and velocity
- _____ CFM/CMM Thermo-Anemometer + Infra Red Thermometer
- _____ Max / Min / Avg value measurement with time stamp
- _____ Low battery indication and Auto Power Off
- _____ Simultaneous display of air flow or air velocity with temperature
- _____ Easy to set Area dimensions
- _____ 20 Point average for air flow
- _____ Super Large Backlit LCD Display
- _____ 3% velocity accuracy via low friction 2.83" Dia ball bearing vane wheel on 3.9 ft (120cm) cable
- _____ Range of Wind Speed:
- _____ 0.4 to 30m/s with accuracy of $\pm 3\%$
- _____ 0.8 to 58.0 knots with accuracy of $\pm 3\%$
- _____ 1.4 to 108.0 km/hr with accuracy of $\pm 3\%$
- _____ 80 - 5900ft/min with accuracy of $\pm 3\%$
- _____ 0.9 to 67 MPH with accuracy of $\pm 3\%$
- _____ Range of Air Flow:
- _____ 0 to 9999 CFM with an accuracy of $\pm 3\%$
- _____ 0 to 9999 CMM with an accuracy of $\pm 3\%$
- _____ Range of Temperature: -10° to 60.0°C/14.0° to 140.0°F
- _____ Accuracy: $\pm 1.5^\circ\text{C} / \pm 2^\circ\text{F}$
- _____ Infra Red Temperature: -50 to 260°C
- _____ Distance to sighting ratio: 8:1



Digital Hotwire Anemometer AVM-10

- _____ Measures Low velocity of Air
- _____ Display: Dual LCD Display
- _____ Measures Air velocity and Temperature
- _____ Air Velocity is measured using Glass Bead Thermistor
- _____ Temperature is measured using Precision Thermistor
- _____ Data Hold to freeze displayed data
- _____ MAX / MIN / AVG Recording facility
- _____ USB PC Interface Facility
- _____ Auto Power Off
- _____ Air Velocity Range in m/s : 0.1 to 25.0 m/s
- _____ Air Velocity Range in km/h : 0.3 to 90.0km/h
- _____ Air Velocity Range in mph : 0.2 to 55.8 mile/h
- _____ Air Velocity Range in knots : 0.2 to 48.5 knots
- _____ Air Velocity Range in ft.min : 20 to 4925 ft/min
- _____ Accuracy : $\pm 5\%$
- _____ Temperature Range : 0°C to 50°C / 32°F to 122°F
- _____ Accuracy : $\pm 1\%$



Digital Anemometer with Differential Pressure Meter Model AVM-09

- _____ Displays Air Velocity and Temperature at the same time
- _____ With In-Built Manometer to measure differential pressure
- _____ Has facility to measure wind flow also
- _____ Highly Sensitive and accurate
- _____ Temperature sensor built-in with anemometer fan
- _____ Low Power Consumption
- _____ Data Hold and Max / Min record facility
- _____ Low Friction Ball bearing vane wheel for high accuracy
- _____ 20 point averaging is done for airflow measurement
- _____ Extra Large Dual LCD Display
- _____ Range of Wind Speed:
- _____ 0.4 to 30m/s with an accuracy of $\pm 3\%$

Digital Capacitance Meter

Metravi DCM-1502

- _____ Easy to read LCD Display 3-1/2 Digits 1999 Counts
- _____ High measuring Accuracy
- _____ Measurements possible even under strong magnetic field
- _____ LSI Circuit Provides high reliability and durability
- _____ Light Weight and compact construction
- _____ Range 0 – 200p/2n/20n/200n/2μ/20μ/200μ/2000μ/20000μF
- _____ Accuracy $\pm 0.5\%$



Digital Clamp Meter

MetraVi DT-625

3999 Counts 3-3/4 Digits Backlit Display	
Bandwidth 2kHz	
T-RMS Measurements	
Data Hold Function	
Overload and Low Battery Indication	
Clamp Jaw Dia 33mm	
DC Voltage	0 - 400m/4/40/400/600V DC
Accuracy	±0.8%
AC Voltage (T-RMS)	0 - 4/40/400/600V AC
Accuracy	±1.2%
AC Current (T-RMS)	0 - 4/400/600A AC
Accuracy	±2.5%
Resistance	0 - 400/4k/40k/400k/4M/40MΩ
Accuracy	±1%
Frequency	4Hz ~ 4MHz
Accuracy	±0.2%
Capacitance	0 - 40n/400n/4u/40u/400u/4mF
Accuracy	±3%
Temperature	-20 to 400°C
Accuracy	±2%
Diode Test and Continuity Test Facility	



MetraVi DT-115A

6000 Counts Backlit LCD Display	
Built-in Flashlight to access dark Areas	
Non Contact Voltage Detection	
Simple to use	
Just provide the input and the instrument detects the signal and displays the parameter	
No Selection required, Just provide Input	
Automatic Selection of AC/DC Voltage, Resistance, Capacitance, Diode Test	
T-RMS Measurements	
DC Voltage	0 - 6/60/600V
Accuracy	±0.5%
AC Voltage T-RMS	0 - 6/60/600V
Accuracy	±0.5%
AC Current T-RMS	0 - 60 / 600A
Accuracy	±2%
Resistance	0 - 600/6k/60k/600k/6M/60MΩ
Accuracy	±0.8%
Capacitance	0 - 10n/100n/1u/10u/100u/1m /10m/60mF
Accuracy	±3.5%
Diode Test and Continuity Test Facility	



MetraVi DT-115

Display	Backlit liquid crystal display (LCD)
Maximum display	5999 (3 5/6) bit automatic polarity display;
Auto-Ranging, T-RMS Measurements	
Measurement method: double integral A/D conversion	
Sampling rate	about 3 times per second
Over-range display	The highest position shows "OL"
Low voltage display	" " symbol appears
Non Contact Voltage Detector	
Flashlight to access dark areas	
Data Hold to Freeze Displayed Data	
Relative Measurement	
DC Voltage	0 - 6 / 60 / 600 / 1000V DC
Accuracy	±0.5%
AC Voltage (T-RMS)	0 - 6/60/600/750V AC
Accuracy	±0.8%
AC Current (T-RMS)	0 - 6/60/600A AC
Accuracy	±2%
Resistance	0 - 600/6k/60k/600k/6M/40MΩ
Accuracy	±0.8%
Capacitance	0 - 60n/600n/6u/60u/600u/6m/ 30mF
Accuracy	±3.5%
Frequency	0 - 10/100/1k/10k/100k/1M/10MHz
Accuracy	±0.1%
Temperature	-20 to 1000 Degree C
Accuracy	±1%
Square Wave Output 50Hz to 5000Hz	
Diode & Continuity Test.	



MetraVi DT-225

Auto and Manual Ranging	
Display	3-3/4 Digits 3999 Counts Backlit LCD
Low Battery and Overload Indication	
Data Hold, Relative Measurement	
Non Contact type Voltage Detector	
600V AC/DC Protection on all ranges	
Clamp Jaw Dia	30mm
DC Voltage	0 - 400m/4/40/400/600V
Accuracy	±0.8%
AC Voltage	0 - 4/40/400/600V
Accuracy	±1.8%
AC Current	0 - 40/400A
Accuracy	±2.5%
Resistance	0 - 400/4k/40k/400k/4M/40MΩ
Accuracy	±1.0%
Capacitance	0 - 40n/400n/4μ/40μ/100μF
Accuracy	±3%
Frequency	0 - 10 ~ 10kHz
Accuracy	±1.5%
Temperature	-20 to 760°C / -40°F to 1400°F
Accuracy	±3%
Diode and Continuity Test	
Confirms to CAT-III 600V	



Metravi DT-369

Display	6000 Counts LCD
T-RMS	
Auto Power Off	
Flame Sensor Current measurement	
Relative Measurement	
Clamp Jaw Dia	37.5mm
AC Voltage (T-RMS)	0 – 600mV/6/60/600/750V AC
Accuracy	±0.8%+5
DC Voltage	0 -600mV/6/60/600/1000V DC
Accuracy	±0.5%+3
AC Current (T-RMS)	0 – 60 / 600 / 1000A
Accuracy	±2.0%+30
AC Current (from terminal)	0- 600μ / 6000μA
Accuracy	±0.8%+10
DC Current (from terminal)	0- 600μ / 6000μA
Accuracy	±0.8%+10
Resistance	0 – 600/6k/60k/600k/6M/60MΩ
Accuracy	±0.8%+3
Temperature	-20 to 1000°C
Accuracy	±1.0%+5
Capacitance	0 – 60n/600n/6μ/60μ/600μ/6000μF
Accuracy	±3.5%+20
Frequency	0 – 10/100/1k/10k/100k/1M/20MHz
Accuracy	±0.1%+3
Duty Cycle	0.1% to 99.9%
Diode Test	
Audible Continuity Test	



Metravi DT-1150A

Display	3 1/2 Digit (2000 Counts) LCD
DATA HOLD	
Diode Test & Continuity Test	
500V DC/AC Protection on all ranges	
Jaw Opening	Approx. 60mm (Suitable For Conductor of 40mm Diameter)
Over Range Indication	
Overload Protection	
Low Battery Indication	
CE CAT III 600V	
AC Current	0 - 20 / 200 / 1000A
Accuracy	3%
DC Voltage	0 - 200mV / 2 / 20 / 200 / 1000V
Accuracy	0.8%
AC Voltage	0 - 2 / 20 / 200 / 750V
Accuracy	1.5%
Resistance	0 - 200 / 2k / 20k / 200k / 2MΩ
Accuracy	1.5%
Capacitance	0 - 9.999nF / 99.99nF / 999.9nF / 9.999μF / 99.99μF / 999.9μF
Accuracy	3%
Frequency	0 - 10Hz / 100Hz / 1kHz / 10kHz / 100kHz / 1MHz / 10MHz
Accuracy	0.3%



Metravi DT-1150

Display	3 1/2 Digit (2000 Counts) LCD
DATA HOLD	
Diode Test & Continuity Test	
500V DC/AC Protection on all ranges	
Jaw Opening	Approx. 60mm (Suitable For Conductor of 40mm Diameter)
Over Range Indication	
Overload Protection	
Low Battery Indication	
CE CAT III 600V	
AC Current	0 - 20/200/1000A
Accuracy	3%
DC Voltage	0 - 200mV/2/20/200/1000V
Accuracy	0.8%
AC Voltage	0 - 200/750V
Accuracy	1.5%
Resistance	0 - 200/2k/20k/200k/2M/20MΩ
Accuracy	1.5%



Metravi DT-1250

Auto Power Off	
Data Hold and Maximum Hold Facility	
Double molded body with rubber coating	
Clamp Jaw Size	30mm
Display	3-1/2 Digits 1999 Counts Backlit LCD
DC Voltage	0 - 200m/2/20/200/600V.
Accuracy	±0.8%
AC Voltage	0 - 200m/2/20/200/600V.
Accuracy	±1.5%
AC Current	0 - 20/200/100A.
Accuracy	±2.5%
Resistance	0 - 200/2k/20k/200k/2M/20MΩ
Accuracy	±1.0%
Diode Test and Continuity Test	
Confirms to CE, IEC 61010, CAT-III 600V	
Overload Protection : upto 500V DC / AC RMS in all ranges	



MetraVi DT-2250

Auto Power Off
Data Hold Facility
Double molded body with rubber coating
Clamp Jaw Size 30mm
Display 3-3/4 Digital 3999 Counts Backlit LCD
DC Voltage 0 - 400m/4/40/400/600V.
Accuracy ±0.8%
AC Voltage 0 - 400m/4/40/400/600V.
Accuracy ±0.8%
AC Current 0 - 40/400/1000A.
Accuracy ±2.5%
Resistance 0 - 400/4k/40k/400k/4M/40MΩ
Accuracy ±1.0%
Temperature -20°C to 1000°C / -4°F to 1832°F
Accuracy ±3.0%
Frequency 0 - 5/50/500/5K/50K/500K/5M/10MHz
Accuracy ±1.2%
Capacitance 0 - 40n/400n/4μ/40μ/100μF
Accuracy ±3.0%
Duty Cycle 0.5 - 99.0%
Accuracy ±1.2%
Diode Test and Continuity Test
Confirms to CE, IEC 61010, CAT-III 600V
Overload Protection of 250V DC/AC RMS in Resistance, Temperature, Frequency, Duty Cycle, Capacitance, Diode and audible continuity test range



MetraVi DT-3150

Auto Power Off
Data Hold Facility
Data Hold and Relative Measurement
Auto-ranging
Clamp Jaw Size 55mm
Display 3-3/4 Digital 3999 Counts Backlit LCD
DC Voltage 0 - 4m/40/400/1000V.
Accuracy ±0.5%
AC Voltage 0 - 400m/4/40/400/1000V.
Accuracy ±1.0%
AC Current 0 - 40/400/1000A.
Accuracy ±2.5%
Resistance 0 - 400/4k/40k/400k/4M/40MΩ
Accuracy ±1.0%
Frequency 0 - 5/50/500/5K/50K/ 500K/5M/10MHz
Accuracy ±1.2%
Capacitance 0 - 40n/400n/4μ/ 40μ/100μF
Accuracy ±3.0%
Duty Cycle 0.5 - 99.0%
Accuracy ±1.2%
Diode Test and Continuity Test
Confirms to CAT III 1000, CAT IV 600V IEC 1010-1 and UL 3111-I Standards
Overload Protection of 1000V DC/AC RMS in Resistance, Frequency, Diode and Continuity Test Ranges



MetraVi DT-2255

Auto Power Off
Data Hold and Relative Measurement
Auto-ranging
Clamp Jaw Size 55mm
Display 3-3/4 Digits 3999 Counts Backlit LCD
DC Voltage 0 - 4/40/400/1000V
Accuracy ±0.5%
AC Voltage 0 - 400m/4/40/400/1000V
Accuracy ±1.0%
AC Current 0 - 400/1000A.
Accuracy ±2.5%
Resistance 0 - 400/4k/40k/400k/4M/40MΩ
Accuracy ±1.0%
Frequency 0 - 5/50/500/5k/50k/500k/5M/10MHz
Accuracy ±1.2%
Duty Cycle 0.5 to 99.0%
Accuracy ±1.2%
Diode test and Continuity Test
Confirms to CAT III 1000, CAT IV 600V IEC 1010-1 and UL 3111-I Standards
Overload Protection of 1000V DC/AC RMS in Resistance, Frequency, Diode and Continuity Test Ranges.



MetraVi Metraclamp-10

Auto Power Off
Data Hold, Relative Measurement
Auto-ranging
Non Contact Voltage Detector
Clamp Jaw Size 52mm
Display 3-3/4 Digits 3999 Counts Backlit LCD
DC Voltage 0 - 400m/4/40/400/1000V.
Accuracy ±0.8%
AC Voltage 0 - 4/40/400/1000V.
Accuracy ±1.5%
AC Current 0 - 40/400/1000A.
Accuracy ±2.2%
Resistance 0 - 400/4k/40k/400k/4M/40MΩ
Accuracy ±1.0%
Frequency 0 - 9.999/99.99/999.9/9.999K/99.99 K/999.9K/9.999MHz
Accuracy ±1.2%
Duty Cycle 0.1 to 99.9%
Accuracy ±1.2%
Capacitance 0 - 40n/400n/4u/40u/100uF
Accuracy ±3%
Diode test and Continuity Test
Confirms to CAT III 1000, CAT IV 600V, IEC 1010-1 and UL 3111-I Standards
Overload Protection of 600V DC/AC RMS in Resistance, Frequency, Diode and Continuity Test Ranges.



Metravi DT-7250

Auto Power Off
Data Hold
Auto-ranging
Clamp Jaw Size 57mm
Display 3-3/4 Digits 3999 Counts LCD
DC Voltage 0 - 4/40/400/1000V.
Accuracy ±1.0%
AC Voltage 0 - 400m / 4 / 40 / 400 / 1000 V
Accuracy ±1.5%
AC Current 0 - 40 / 400 / 2000A.
Accuracy ±2.5%
Resistance 0 - 400 / 40k / 400k / 4M/40M.Ω
Accuracy ±1.0%
Capacitance 0 - 40n / 400n / 4μ / 40μ / 100μF
Accuracy ±3.0%
Frequency 0 - 5/50/500/5k/50k/500k/5M/ 10MHz
Accuracy ±1.2%
Duty Cycle 0.5% to 99.0%
Diode test and Continuity Test
Confirms to CAT III 600, IEC 1010-1 and UL 3111-I Standards
Overload Protection of 500V DC/AC RMS in Resistance, Frequency, Diode and Continuity Test Ranges.



Digital Clamp Meter with Wireless PC Interface Model DT-5250W

Auto / Manual Ranging
T-RMS AC/DC Clamp Meter with Wireless PC Interface
Data Hold and Peak Hold facility
Auto Power Off
Clamp Jaw Dia 30mm
Overload and Low Battery Indication
Display 3-3/4 Digits 3999 Counts Backlit LCD
DC Voltage 0 - 400m / 4 / 40 / 400 / 600V
Accuracy ±0.8%
AC Voltage 0 - 400m / 4 / 40 / 400 / 600V T-RMS
Accuracy ±1.0%
DC Current 0 - 40 / 400 / 1000A
Accuracy ±2.8%
AC Voltage 0 - 40 / 400 / 1000A T-RMS
Accuracy ±2.8%
Resistance 0 - 400 / 4k / 40k / 400k / 4M / 40MΩ
Accuracy ±1.0%
Capacitance 0 - 4n / 40n / 400n / 4μ / 40μ / 400μ / 4m / 40mF
Accuracy ±3.0%
Frequency 0 - 4KHz
Accuracy ±1.5%
Temperature -40 - 1000°C / -40°F to 1832°F
Accuracy ±2.5%
Continuity Buzzer and Diode Test
Confirms to IEC 61010 CAT III 600V / CAT II 1000V



Digital Clamp On Power Meter

Metravi DT-525

T-RMS Clamp Meter
Auto Power Off
Data Hold & Peak Hold Facility
Clamp Jaw Size 30mm
Display 3-3/4 Digital 3999 Counts Backlit LCD
DC Voltage 0 - 400m/4/40/400/600V.
Accuracy ±0.8%
AC Voltage 0 - 400m/4/40/400/600V T-RMS.
Accuracy ±1.0%
AC Current 0 - 40/400/1000A T-RMS.
Accuracy ±2.8%
Resistance 0 - 400/4k/40k/400k/4M/40M.Ω
Accuracy ±1.0%
Temperature -40°C to 1000°C / -40°F to 1832°F
Accuracy ±2.5%
Frequency 0 - 4KHz
Accuracy ±1.5%
Capacitance 0 - 4n/40n/400n/4μ/40μ/400μ/4m/40mF
Accuracy ±3.0%
Diode Test and Continuity Test
Confirms to CE, IEC 61010, CAT-III 600V



Metravi 107F

Features 10000 Count digital display
Active Backlit, Large scale display
Non Contact Voltage Detection (None Contact Voltage)
Analog Bar graph
True RMS reading on AC and AC+DC mode
Auto Flash Light when Clamping
Auto AC/DC 1000 Amps capability and selection
Auto AC/DC 1000 Volts capability and selection
Auto Ohms/Continuity/Diode selection
Power and Power factor Measurement
Total Harmonics Distortion and Harmonics DC, 1 to 25
Phase Rotation Indication
AC Current via Flexible Current Probe
100K Ohms Resistance capability
Continuity Beeper
Frequency Counter
Capacitance capability
°C/°F Temperature Function
Smart Data Hold
Peak Hold
Inrush Current
DCA Auto-Zero Key
Min Max Hold
Low Pass Filter
Auto Power Off
Up to 42mm dia. (1000MCM) Conductor
Bus bar size 62mm x 12mm
4 feet Drop Proof
Temp. Adaptor bead probe included
Deluxe Carrying Case
Hand Guard & Stream Line Designed
Convenient Battery Door
CAT IV 600V /CAT III 1000V Safety Standard



MetraVi 307

T-RMS AC Clamp On Power Clamp	
Auto Power Off	
Live Wire Detection / Non Contact Voltage Detector	
Min / Max and Average Recording Facility	
Phase Sequence Indication	
Data Hold, Peak Hold & Relative Measuring Facility	
Electronic Overload Protection	
Measures KW, KVA, KVAR, PF, Energy for Single Phase Loads	
Measures Active Power and Power Factor for Three Phase Loads	
Clamp Jaw Size	56mm
Display	6000 Counts Backlit LCD
AC Voltage	0 - 60/600V. T-RMS
Accuracy	±1.0%
AC Current	0 - 600/1500A. T-RMS
Accuracy	±2.5%
Frequency	0 - 200 / 2kHz
Accuracy	±1%
Active Power	10W ~ 600kW
Accuracy	±2.5%
Horse Power	0.01HP ~ 600HP
Accuracy	±2.5%
Apparent Power	10kVA ~ 600kVA
Accuracy	±2.5%
Reactive Power	0 ~ 300kVar
Accuracy	±2.5%
Electrical Energy	0.01 ~ 9999kWh
Accuracy	±2.5%
Power Factor	0.3 ~ 1.00
Accuracy	±2.5%
Total Harmonic Distortion	0.00 ~ 0.99
Accuracy	±2.5%
Complies with EN 61010-I (2000 Version), CAT III 600V	



MetraVi 307N

Measures Power and Energy for single phase and three phase loads	
Auto-ranging	
Data Logging up to 99 Data	
Sleep Mode	
Clamp Jaw Dia	56mm
Confirms to CAT III 600V, IEC 61010, CAT IV 300V	
Non Contact Voltage Detector	
Data Hold, Max / Min record	
USB PC Interface	
Display	4 digits Triple Backlit LCD Display with analogue bargraph
AC Voltage	0 - 100 / 400 / 750V T-RMS
Accuracy	±1.2%
AC Current	0 - 40 / 100 / 400 / 1000A T-RMS
Accuracy	±2.0%
Active Power	0.01kW - 750kW
Accuracy	±3.0%
Apparent Power	0.01kVA - 750kVA
Accuracy	±3.0%
Reactive Power	0.01kVAR - 750kVAR
Accuracy	±4.0%
Power Factor	0.3 - 1 (Capacitive / Inductive)
Accuracy	±0.02%
Phase Angle	0°- 90°
Accuracy	±2°
Frequency	50Hz - 200Hz
Active Energy	0.001 - 9999kWh
Accuracy	±3.0%
Temperature	-50° - 1300°C



MetraVi 607

Power Quality Analysis for Single and Balanced Three Phase System.	
Harmonic Analysis of Voltage and Current (1 to 50th order).	
True RMS measurement of V with 0.5% of reading basic accuracy.	
True RMS measurement of A with 1% of reading basic accuracy	
Graphic Waveform of Voltage and Current	
Graphic Phasor Diagram	
Transient Detection and Logging of Swell, Dip, and Outage.	
Fast peak function (39µs for 50 Hz, 33µs for 60Hz).	
Active (W, KW, HP), reactive (VAR, KVAR) and apparent (VA, KVA) power	
Power factor (PF), phase angle (Φ), and energy (WH, KWH).	
Measurement of balanced 3Φ Power Quality.	
Programmable PT ratio from 1 to 3000	
Hold functions.	
Auto power off function in 15 minutes.	
True RMS Value (V & I)	
Maximum Demand (MD in W, KW, MW) with programmable Period	
Display of 25 Harmonics in one screen	
Optically isolated RS-232C Interface	
Smart Datalogging	
Graphic Phasor Diagram Capture 129	
Transient Events	
Clamp Jaw Dia	55mm
Realtime Output of Waveform Power Parameters and Harmonics at command Large Dot Matrix LCD Display with Backlit.	
AC Current	4.0 - 1500.0A
Accuracy	±0.5%
AC Voltage	4.0 - 600.0V
Accuracy	±0.5%
Power Factor	0.000 - 1.000
Accuracy	±0.04
Phase Angle	-180 to +180°
Accuracy	±1°
Crest Factor	1.00 to 99.99
Accuracy	±5%
kW / kVA / kVAR	10.00 - 9999k
Accuracy	±1%



Digital Earth Resistance Tester

MetraVi ERT-1501

Data Hold facility	
Displays test result and battery voltage on the same screen	
LOCK Button for continuous HANDS FREE measurement	
Both Earth Resistance and Earth Resistivity can be measured	
Can be used in 4 Terminal and 3 Terminal configurations	
Display	4 Digits EXTRA LARGE Backlit Dual LCD Display
Earth Resistance Range	0 - 10/100/1000 Ω
Accuracy	±3%
Low Resistance Range	0 - 200 kΩ
Accuracy	±1%
DC Voltage	0 - 1000V
Accuracy	±0.8%
AC Voltage	0 - 750V
Accuracy	±1.2%
Complies with CE, CAT-III 1000V	
Complete with Testing Kit	
Re-Chargeable Battery and Battery Charger can be provided at extra cost	



Metravi ERT-1502

Data Hold facility	
Displays test result and battery voltage on the same screen	
LOCK Button for continuous HANDS FREE measurement	
Both Earth Resistance and Earth Resistivity can be measured	
Can be used in 4 Terminal and 3 Terminal configurations	
Display	4 Digits EXTRA LARGE Backlit Dual LCD Display
Earth Resistance Range	0 - 20/200/2000 Ω
Accuracy	±3%
Low Resistance Range	0 - 200 kΩ
Accuracy	±1%
DC Voltage	0 - 1000V
Accuracy	±0.8%
AC Voltage	0 - 750V
Accuracy	±1.2%
Complies with CE, CAT-III 1000V	
Complete with Testing Kit	



Re-Chargeable Battery and Battery Charger can be provided at extra cost

Digital IC Tester

Metravi DICT-2040

Self Diagnosis	
Identifies Unknown model number of Devices	
Measures more than 2000 kinds of devices	
Tests 54 / 74 series TTL	
Tests 4000 and 4500 series CMOS	
40 Pin capability	
Control	16 key tact switch keypad with dual tone sound indication
Display	6 Digit LED Display
Test Socket	40 pin ZIF Socket
Library of ICs	TTL54 Series, TTL55 Series, TTL74 Series, TTL75 Series, CMOS14 Series, CMOS40 Series, Optical Coupler Series, LED Display Series, RAM Series, SCM Series, CPU Peripheral Series
Auxiliary Power Supply	220V AC 50Hz



Digital Frequency Counter

Metravi FC-2700

Bench Type	
8 Digit RED LED Display	
Dual Channel Input	
Range	up to 2.7GHz
Resolution	100Hz
Accuracy	±1%
Sensitivity: 20mV rms up to 8MHz / 30mV rms up to 10MHz / 20mV rms up to 80Hz / 30mV rms up to 2.7GHz	
Auxiliary Power Supply	220V AC 50Hz



Digital Insulation Resistance Tester

Metravi DIT-99A

Battery Cum Mains Operated	
Data Hold Function	
Fault Protection, Buzzer Alarms if short circuit	
Display	3-1/2 Digits 1999 Counts LCD
Low Battery Indication	
Test Voltage 100V	
Insulation Resistance Range 200MΩ	
Accuracy	±4%



Metravi DIT-99B

Battery Cum Mains Operated	
Data Hold Function	
Fault Protection, Buzzer Alarms if short circuit	
Display	3-1/2 Digits 1999 Counts LCD
Low Battery Indication	
Test Voltage 250V	
Insulation Resistance Range 200MΩ	
Accuracy	±4%



Metravi DIT-99C

Battery Cum Mains Operated	
Data Hold Function	
Fault Protection, Buzzer Alarms if short circuit	
Display	3-1/2 Digits 1999 Counts LCD
Low Battery Indication	
Test Voltage 500V	
Insulation Resistance Range 1000MΩ	
Accuracy	±4%



Digital Frequency Meter

Metravi CE-500F

Microprocessor based 4 digit display.
Available for ranges: 99.99Hz, 999.9 Hz, 10KHz and 100KHz ranges.
Available in 96 * 96 and 96*48 mm Bezel sizes.
Auxiliary Power Supply: 230V AC 50Hz / 110V AC 50Hz / DC Auxiliary inputs also available



Metravi DIT-99D

Battery Cum Mains Operated
Data Hold Function
Fault Protection, Buzzer Alarms if short circuit
Display 3-1/2 Digits 1999 Counts LCD
Low Battery Indication
Test Voltage 1000V
Insulation Resistance Range 2000MΩ
Accuracy ±5%



Metravi DIT-910

Hand Held Easy to use instrument
Extra Large Backlit LCD Display 3-1/2 Digits
Data Hold Function
Battery cum Mains Operated
Over-range and Low Battery Indication
Test Voltage 250V / 500V / 1000V
200MΩ @ 250V
Measuring Range 200MΩ @ 500V
2000MΩ @ 1000V
Accuracy ±4%
Measures DC Voltage 0 – 1000V
Accuracy ±0.5%
Measures AC Voltage 0 – 750V
Accuracy ±1%
Low Resistance 0 – 2kΩ
Accuracy ±0.8%
Continuity Test



Metravi DIT-321

Multimeter with Insulation Resistance Tester
3999 Counts, Backlit LCD Display
Data Hold Facility
Battery Operated
Test Voltage 250V / 500V / 1000V
Auto-ranging for Insulation Resistance up to 40GΩ
Test Voltage can be varied from 90% to 110% of rated voltage
DC Voltage 0 – 400mV / 4 / 40 / 400 / 1000V
Accuracy ± 0.5%
AC Voltage 0 – 4 / 40 / 400 / 700V
Accuracy ± 0.8%
DC Current 0 – 40mA / 400mA
Accuracy ± 0.8%
AC Current 0 – 40mA / 400mA
Accuracy ± 1%
Resistance 0 – 400 / 4k / 40k / 400k / 4M / 40MΩ
Accuracy ± 0.8%
Capacitance 0 – 40nF / 400nF / 4μ / 40μF
Accuracy ± 3%
Frequency 0 – 40 / 400 / 4k / 40k / 400k / 4MHz
Accuracy ± 0.5%
Diode & Audible Continuity Test Facility



Metravi DIT-912

Display 3-1/2 Digits 1999 Counts Dual Extra Large Backlit Display
Displays test voltage and insulation resistance being measured, Battery Voltage and Voltage being measured, at the same time.
Data Hold Facility
Double Injection Molded Body
Anti-Slip Splash proof body
Locking Facility that locks the output voltage while continuous Insulation Resistance test For Hands Free Operation
200MΩ at 250V
Insulation Resistance 200MΩ at 500V
2000M.Ω at 1000V
Accuracy ±3%
Low Resistance 0 - 200Ω / 200kΩ
Accuracy ±1%
DC Voltage 0 - 1000V
Accuracy ±0.8%
AC Voltage 0 - 750V
Accuracy ±1.2%
Audible Continuity Test Facility
Confirms to CE, EN 61010-1



Metravi DIT-909

Test insulation of wires, cables, transformers, motors, surge arrestors and generators
Battery Operated
Comparator Function
USB PC Interface
Measures PI and DAR
Has Timer Function to set between 1-10min
Locking Facility for measurement
Full Self Test for internal evaluation
Auto Power Off
Data Hold
Internal Memory to store 99 Readings
Low Battery and High Voltage Indication
Test Voltage can be varied from 50% to 120% in steps of 10%
50V / 100V / 250V / 500V / 1000V
Test Voltage Range 0.01MΩ to 200GΩ
Insulation Resistance Range 10 – 2000μA
Leakage Current measurement 0.01 to 100Ω
Low Resistance 0.01kΩ to 1000kΩ
General Resistance 0 – 600V DC
DC Voltage 0 – 600V AC T-RMS
AC Voltage 45 – 450Hz
Frequency 100pF – 10μF
Capacitance With Remote Test Probe.



Metravi DIT-913

Low power consumed CMOS double integral A/D transforming IC, auto-checking to zero, auto-displaying polarity, displaying when low or over battery.

LCD: 3.5 digits big screen display, the max show value is 1999.

Has function of holding data and displaying signal.

Can use rotating switch when testing voltage.

High voltage is on the rails when LED is on.

Displaying when low battery.

Scale	0-20GΩ. Transforming scale automatically
Test Voltage	250V / 500V / 1000V / 2500V
Insulation Resistance Range	2000MΩ @ 250V 20GΩ @ 500V 20GΩ @ 1000V 20GΩ @ 2500V
Accuracy	±3%



With Auto-power off function & battery check.	
With Timer measurement function : Automatically performs a measurement at the set time.	
With Polarization index measurement (PI)	
With Dielectric absorption ratio measurement (DAR)	
Auto ranging with larger 6000 counts LCD display with bargraph	
MAX/MIN, PEAK, Relative value & Data hold functions for DC/AC voltage measurements.	
Accuracy	+2.5%

Metravi DIT-914

Four ranges	500V, 1000V, 2500V, 5000V
High voltage output testing auto extends for 30 seconds.	
Autorange insulation resistance testing	
2 seconds high voltage output interval with warning beeper	
AC voltage /Continuity/Low resistance measuring	
White backlight to view the test results in dimly lit areas.	
Display	LCD : 75*35mm,
Max reading	1999
Low battery indication	
Battery Cum Mains Operated	
Test Voltage	500V/1000V/2500V/5000V
Insulation Resistance Range	2000MΩ @ 500V 2000MΩ @ 1000V 20GΩ @ 2500V 200GΩ @ 5000V
Accuracy	±2.0%
AC Voltage Measurement	0 – 750V
Accuracy	±1.2%
Low Resistance	0 – 200Ω
Accuracy	±0.8%



Metravi DIT-322

Multimeter with Insulation Resistance Tester

3999 Counts, Backlit LCD Display

Data Hold Facility

Battery Operated

Test Voltage 500V / 1000V / 2500V

Auto-ranging for Insulation Resistance up to 40GΩ

Test Voltage can be varied from 90% to 110% of rated voltage

DC Voltage	0 – 400mV / 4 / 40 / 400 / 1000V
Accuracy	± 0.5%
AC Voltage	0 – 4 / 40 / 400 / 700V
Accuracy	± 0.8%
DC Current	0 – 40mA / 400mA
Accuracy	± 0.8%
AC Current	0 – 40mA / 400mA
Accuracy	± 1%
Resistance	0 – 400 / 4k / 40k / 400k / 4M / 40MΩ
Accuracy	± 0.8%
Capacitance	0 – 40nF / 400nF / 4μ / 40μF
Accuracy	± 3%
Frequency	0 – 40 / 400 / 4k / 40k / 400k / 4MHz
Accuracy	± 0.5%
Diode & Audible Continuity Test Facility	



Metravi DIT-916

Test insulation of wires, cables, transformers, motors, surge arrestors and generators	
Selectable testing voltages - one testing instrument for low and high voltage systems from 500/1000/2500 and 5000V	
Insulation resistance measurement up to 1T Ω	
User selectable programmable timer (10s to 30 min)	
Automatic discharge of test object after completion of measurement	
Diagnostic tools	
Polarization index (PI)	
Dielectric absorption ratio (DAR)	
USB PC Interface	
Comparison feature to set pass/fail thresholds for quick measurement and verification	
Dual power source – receptacle or batteries	
Built in internal memory storing 18 measurements	
Comes as a complete kit	power adapter, software, USB interface cable, hard carrying case, batteries, complete set of test leads, and instruction manual
CAT III 600V	
Confirms to: IEC 61010 CAT.III 600V overvoltage and double insulation standard	
Display (LCD)	Digital 9999 counts Analog bar graph
Display Backlight	Bright Backlight for clear readings in poorly lighted areas



Metravi DIT-921

Designed to following safety standards: IEC 61010-1 (CAT IV 600V Pollution degree 2) IEC 61010-031 (Requirements for hand-held probes)

Insulation test range	0.005MΩ to 60GΩ
Insulation test voltages	500 V,1000V,2500V,5000V
AC/DC voltage	0.5 V to 600 V
Continuity	200mA
Resistance	0.1 Ω to 6kΩ
Battery Cum Mains Operated	
With auto-discharge function & voltage output warning function	
Backlight levels selector function to facilitate working at dimly illuminated location or at nighttime work.	
LIVE circuit warning symbols plus audible warning.	
Live circuit detection prevents insulation test if voltage > 30 V is detected for added user protection	



Technical Specifications & Appearance are subject to change without prior notice

Metravi DIT-916 (Contd.)

Auto Range	The meter automatically selects best range
Warning	Displayed on the instrument
Test Voltage	Automatically source the voltage
AC/DC V	600 V
Accuracy	±2%
	500V @ 20GΩ
Test Voltage / Resistance	100V @ 40GΩ
	2500V @ 1000GΩ
	500V @ 1TΩ
Accuracy	±3%
Time	To carry out measurement by setting a specified time within 15 minutes
Over Loading	Display OL on insulation resistance range
Battery Indicator	Low Battery indication

Metravi DIT-915

Micro-processor Controlled	
Auto-ranging insulation Resistance Range	
Warning and Display of external voltage presence	
Bargraph Indicates test voltage rise and decay can be observed during tests	
Low Battery Indication	
Data Hold	
Auto Power Off	
Body Sealed with gasket	
Display	2 lines x 16 Characters Large LCD
Confirms to IEC-1010 CAT III	
Test Voltage	1000V / 2500V / 5000V / 10,000V
	0 - 60GΩ @ 1000V
	0 - 150GΩ @ 2500V
Measuring Range	0 - 300GΩ @ 5000V
	0 - 600GΩ @ 10,000V
Accuracy	±5%



Digital LCR Meter

Metravi 360

3-1/2 Digits Large LCD Display	
Auto Power Off	
Over-Range Indication	
Low Battery Indication	
Resistance	0 – 200/2k/20k/200k/2M/20MΩ.
Accuracy	±0.8%
Capacitance	0 – 2n/20n/200n/2μ/20μ/200μ/600μF
Accuracy	±1%
Inductance	0 – 2m / 20m / 200m / 2H / 20H
Accuracy	±2%
Transistor Test	
Diode Test	
Audible Continuity Test Facility	



Metravi 460

Data Hold Facility to freeze the displayed data	
MAX/MIN Data Record	
Relative Measurement	
Display	11,000 Counts Backlit LCD
Confirms to EN61010-1, Insulation Class 2	
Low Battery and Over-range indication	
Auto Power Off	
Inductance	0 - 11/110m/11H/20H
Accuracy	±2.0%
Capacitance	0 - 11n/110n/1.1μ/11μ/110μ/1.1m /11m/110mF
Accuracy	±5.0%
Resistance	0 - 110/1.1k/11k/110k/1.1M/11M/110MΩ
Accuracy	±1.2%
Diode Test, Audible Continuity Test Facility	



Metravi 4070D

Dual Backlit LCD display	
Auto LCR smart check and measurement	
Series/Parallel modes are selectable	
Ls/Lp/Cs/Cp with D / Q / θ / ESR parameters	
Support DCR mode 200.00Ω~200.0MΩ	
Five different test frequency are available	100/120/1k/10k/100k Hz
Test AC signal level	0.6mVRMS typ.
Test range (ex. F=1kHz)	
L: 200.00 μH ~ 2000.0 H	
C: 2000.0 pF ~ 20.00 mF	
R: 20.000 Ω ~ 200.0 MΩ	
Multi-level battery voltage detector	
Support Backlight & Buzzer sound driver	
Parameters displayed: DC Resistance, Serial Inductance, Parallel Inductance, Serial Capacitance, Parallel Capacitance, Serial Resistance, Parallel Resistance, Phase Angle, Equivalence Serial Resistance, Dissipation Factor, Quality Factor	



Digital KWH Meter

Metravi CE-030XEML

Microprocessor based Three phase and single phase KWh meters	
16 x 2 Lines Backlit LCD .	
Options of RUN HOUR or REAL TIME CLOCK DISPLAY .	
1% accuracy.	
Available in 96 * 96 mm bezel size.	
User Programmable CT/ PT ratios to give a direct reading .	
Password Protected for CT/PT ratios.	
Available for 415V(LT) and 110 V(HT) systems.	
1 Amp and 5 Amp CT secondary.	
Auxiliary Power Supply: 230V AC 50Hz / 110V AC 50Hz	



Digital LCR Multimeter

Metravi 451

Peak Hold facility	
Display	3-1/2 Digital 1999 Counts Backlit LCD
Low Battery and Overload Indication	
Confirms to IEC1010 Standards	
Auto Power Off	
DC Voltage	0 - 200mV/2V/20V/200V/1000V
Accuracy	±0.5%
AC Voltage	0 - 200mV/2V/20V/200V/750V
Accuracy	±0.8%
DC Current	0 - 2mA/20mA/200mA/20A.
Accuracy	±0.8%
AC Current	0 - 2mA/20mA/200mA/20A.
Accuracy	±1.0%
Resistance	0 - 200/2k/20k/200k/2M/20M/2000MΩ.
Accuracy	±0.8%
Capacitance	0 - 20nF/200nF/2μF/20μF/200μF
Accuracy	±2.5%
Frequency	0 - 2k/20k/200k/2M/10MHz
Accuracy	±1.0%
Inductance	0 - 2m/20m/200m/2/20H
Accuracy	±2.5%
Temperature	-20°C ~ +1000°C
Accuracy	±1.0%
Diode Test, Transistor Test and Audible Continuity test facility.	



Metravi 506

True RMS LCR Multimeter With RS-232C PC interface facility
10 Memory Location. Time Mode with alarm, clock and stop watch. MIN., MAX., AVG. and relative modes. Data Hold and Run Modes, 20A Fused Protection

Display	3-3/4 Digits Backlit 3999 Counts
Dual Extra Large LCD	
DC Voltage	0 - 400mV/4V/40V/400V/1000V
Accuracy	±0.3%
AC Voltage	0 - 400mV/4V/40V/400V/750V T-RMS.
Accuracy	±1.0%
DC Current	0 - 400uA/400mA/20A.
Accuracy	±1.0%
AC Current	0 - 400uA/400mA/20A T-RMS.
Accuracy	±1.5%
Resistance	0 - 400/4k/40k/400k/4M/40M.Ω
Accuracy	±0.5%
Capacitance	0 - 100uF
Accuracy	±3.0%
Frequency	0 - 10 kHz/100kHz/1MHz/10MHz
Accuracy	±0.01%
Inductance	0 - 20/50/100H
Accuracy	±3.0%
Duty Cycle	0.1% ~ 99.9%
Accuracy	±1.2%
Temperature	-20°C ~ +1200°C / 0°F ~ +2000°F
Accuracy	±3%
dBm	-25dBm to +59dBm
Accuracy	±0.5dBm
Logic Test, Diode Test, Signal Output and Audible Continuity test facility.	
Confirms to UL 1244 AND VDE-0411	
Complete with carrying case, instruction manual, test leads, battery, RS-232C PC Interface cable and software.	



Digital Leakage Current Meter

Metravi 4671

Auto Power Off	
Max / Min recording with Data Hold	
Clamp Jaw Size	30mm
Display	3-3/4 Digits 3999 Counts LCD with 40 Segment analog Bargraph
AC Voltage	0 - 400V
Accuracy	±1.0%
AC Current	0 - 40m/400m/4A/40A/80A/100A
Accuracy	±1.0%
Resistance	40 - 400 Ω
Accuracy	±1.0%
Low Pass Filter for eliminating effect of High Frequency Noise.	



Metravi 4672

Data Hold Function	
Auto Power Off	
High Precision AC/DC Low Current Measurement	
Low battery and Overload Indication	
Provides Analogue Output for Recording function.	
DC Voltage	0 - 400m/4/40/400/600V
Accuracy	±1.0%
AC Voltage	0 - 400m/4/40/400/600V
Accuracy	±1.0%
DC Current	0 - 4 / 80A
Accuracy	±2.8%
AC Current	0 - 4 / 80A
Accuracy	±3.0%
Resistance	0 - 400/4k/40k/400k/4M/40M.Ω
Accuracy	±1.0%
Capacitance	0 - 40n/400n/4u/40u/100uF
Accuracy	±3.0%
Frequency	0 - 5/50/500/5k/50k/500k/5M/10MHz
Accuracy	±1.2%
Duty Cycle	0.5 to 99.0%
Accuracy	±1.2%
Confirms to CE, CAT-III 600V	



Metravi 4673

Display	3-1/2 Digits, 1999 Counts Backlit LCD
Measures as low as 1mA AC/DC Current	
Data Hold to Freeze Displayed Data	
Non Contact Voltage Detector	
Can measure in Variable Frequency Control Drives	
Confirms to CAT-III 300V	
Low Battery and Over Range Indication	
1.5V X 2 AAA Battery Operated	
DC Voltage	0 - 200mV/2/20/200/600V
Accuracy	±0.7%
AC Voltage T-RMS	0 - 2/20/200/600V
Accuracy	±1%
DC Current	0 - 2/20/100A
Accuracy	±2%
AC Current T-RMS	0 - 2/20/100A
Accuracy	±2.5%
Resistance	0 - 200/2k/20k/200k/2M/20MΩ
Accuracy	±1.0%
Capacitance	0 - 2n ~ 20mF
Accuracy	±4%
Diode and Continuity Test	



Metravi 6054

High Resolution up to 100uA
Display 3-1/2 Digits 1999 Counts Backlit LCD
Auto Power Off
Max Hold Function
Clamp Jaw Dia 30mm
Overload and Low Battery Indication
AC Current 0 – 200m / 2 / 200A
Accuracy ±2.5%
Confirms to EN61010-1, EN61010-2-032, CAT II 600V



Metravi MULTI-140

High Accuracy Leakage Current tester
Confirms to IEC 61010-1 (2001), IEC 61010-2-032 (2002), Installation Category II 600V Phase to Earth, Category III 300V Phase to Earth.
Display 3-1/2 Digits LCD Display 3200 Counts
Range 0 – 30m/300m/30A/300A (50/60Hz)
Accuracy ±1.2%
Jaw Size 40mm
Over Range Indication
Data Hold Function



Digital Lux Meter

Metravi 1300

4 Digits Backlit LCD Display
Data Hold
MAX/MIN Record Function
Lux and FC (Foot-Candle) Scales
Range 0 to 200,000 Lux
Resolution 1 Lux up to 9999, thereafter 10 Lux
Accuracy ±4%
Fast Sampling Rate
Low Battery Indication
Auto Power Off
Over-range Indication
1.5 x 3 AAA Battery Operated
Confirms to EN61326-1, Pollution Level 2



Metravi 1310

Split Probe type separate sensor
Sampling Rate 0.5S
Auto Range
Lux / Fc Selectable
Max / Min Record
Hi/Lo Overload Indication
Data Hold
Backlit LCD Display
Auto Power Off
Low Battery Indication
Range 0 – 199,900 Lux / Fc
Accuracy ±4%
AAA Battery Operated



Metravi 1330

Easy to Use, Pocket Size, light weight
Over range Indication
Low Battery Indication
Long Life Silicon Photo Diode sensor with filter
Measurement rate 1.5 times / Sec
Display 3-1/2 Digits 1999 Counts LCD
Range 0 - 200/2000/20,000/50,000 Lux
Accuracy ±5%
Resolution 0.1 Lux



Metravi 1331

Easy to Use, Pocket Size, light weight
Over range Indication
Max Hold and Data Hold Facility
Auto Power Off
Low Battery Indication
Displays both in Lux and Foot Candle range
Long Life Silicon Photo Diode sensor with filter
Measurement rate 1.5 times / Sec
Display 3-1/2 Digits 1999 Counts LCD
Range 0 - 200/2000/20,000/50,000 Lux
0 - 200/2000/20,000/50,000 Fc
Accuracy ±5%
Resolution 0.1 Lux / Fc



Metravi 1332

Easy to use, Pocket Size, Light weight
Over range Indication
Data hold facility
Low Battery Indication
Measuring both in Lux and Foot Candles
Long life Silicon Photo Diode sensor
Measurement Rate 2.5 times / Sec
Display 1999 Count, Large LCD display
Range 1 0 – 200/2000/20,000/200,000 Lux
Range 2 0 – 20/200/2000/20,000 FC
Accuracy ± 3%



Metravi 1332A

Auto Ranging
Used to Measure Low Light Intensity
Zero Adjustment
Easy to use, Pocket Size, Light weight
Over range Indication
Data hold and MAX Hold facility
Low Battery Indication
Measuring both in Lux and Foot Candles
Long life Silicon Photo Diode sensor
Measurement Rate 2.5 times / Sec
Display 2000 Count, Large LCD display
Range 1 0 – 20/200/2000/20,000/2,00,000 Lux
Range 2 0 – 20/ 200/2000/20,000 FC
Accuracy ± 3%



Metravi 1333

Easy to Use, High Precision
Over range Indication
Peak / Max / Min and Data Hold Facility
Relative Measurement facility
Reset Function
Auto Power Off
Low Battery Indication
Displays both in Lux and Foot Candle range
Long Life Silicon Photo Diode sensor with filter
Auto / Manual Ranging
Measurement Rate 1.5 times / Sec
Display 3-3/4 Digits 3999 Counts with 42 segment analogue Bargraph BacklitLCD
Range Lux 0 - 40/400/4000/40,000/3,00,000 0 - 400/4000/30,000 Fc
Accuracy ±5%
Resolution 0.1 Lux / Fc
Meter corrected for spectral relative efficiency
No need of correction factor for non standard light source



Metravi 53C – II

No Mechanical Switch
Micro-processor Based
Compact Highly Reliable 3-1/2 Digit Instrument
Uses 4 Terminal Measurement method
Has 12.5 mm high 7 segment 3-1/2 Digits LED Display
Range 0 - 1999u / 19.99m / 199.9m / 1.999 / 19.99 / 199.9 / 1999 / 19.99kΩ
Accuracy + 0.3% + 2 dgs
Normal Test Current 1.5 / 0.75 / 0.75 / 75m / 7.5m/ 0.75m / 0.075mA
Warm up Time 30 minutes
Input 230V Single Phase AC 50Hz
Complete with instruction manual, mains chord and test leads



Metravi 7272

- To measure resistance of various coils, and detect the resistance of various shunts
- To measure the contact resistance of electric components as the switch, plug –in and relay
- To measure the resistance of metallic material, wires and cables as well as the resistance of metallic riveting of boat, vehicle and airplane.
- 10A Test Current for contact Resistance Measurement.
- The instrument has large LCD, allowing for high-resolution reading and faster testing speed.
- Automatic judgment of product condition while conducting tests.
- Maximum Resolution.
- Power supply from re-chargeable battery or 220V AC for continuous operation.
- Low-power indication.
- Various testing wires are available, measurement by four-wire method.
- 60,000 Counts Extra Large Backlight LCD.
- Measures from 1uOhms to 6 k.Ohms
- USB two way communication (no need installing drive).
- Wire length measurement.
- Data Hold.
- Data storage up to 1000 Data.
- PASS / FAIL function randomly checking measured value.



Metravi 1334

Data hold facility to freeze the displayed data
Autorangeing
Annunciator display and automatic zero facility
With USB Interface for PC Connectivity
The correction factor need not be manually calculated for non standard light sources
Short rise and fall times
Peak Hold function for tracing the peak signal of light pulse
Measures in both Lux and Fc scales
Meter corrected for spectral relative efficiency
Auto Power Off Facility
Max and Min recording facility
Relative measuring facility
Display 3-3/4 Digits Backlit Large LCD Display with 40 segment analogue bargraph
Range 0 - 400/4000/40,000/4,00,000 Lux & 0 - 40/400/4000/40,000 Fc.
Accuracy ±5%



Digital Micro Ohms Meter

Metravi 53C

Compact Highly Reliable 3-1/2 Digit Instrument
Uses 4 Terminal Measurement method
Has 12.5 mm high 7 segment 3-1/2 Digits LED Display
Range 0 - 1999u/19.99m/199.9m /1.999/19.99/199.9/ 1.999k/1999Ω
Accuracy + 0.2% + 2 dgs
Normal Test Current 1.5 / 0.75 / 0.75 / 75m / 7.5m/ 0.75m / 0.075mA/0.005mA
Warm up Time 3 minutes
Input 230V Single Phase AC 50Hz
Complete with instruction manual, mains chord and test leads



Metravi UONT-10A

Measures winding resistance of highly inductive transformers of single phase and 3 Phase Star and Delta connections.

Has four terminal bridge for lead resistance compensation.

The set will be capable of overcoming high inductance of the transformer and allows fast measurements.

Test Current - 0.01mA ~ 10A

Duty Continuous for 10m, 100m and 1A 30mins ON and 30mins OFF for 10A

Resistance measurement range 0 - 2m / 20m / 200m / 2 / 20 / 200 / 2000 Ω

Accuracy ±1% or rdg

Auxiliary Power Supply 230V Single Phase AC 50Hz.

Complete with current leads, potential leads, power supply cable and instruction manual



Metravi 52C (contd.)

Confirms to CAT-III 600V

Low Resistance 0 – 400m/4/40 Ω

Accuracy ± 1%

DC Voltage 0 – 400m/4/40/400/1000V

Accuracy ± 1%

AC Voltage 0 – 400m/4/40/400/750V

Accuracy ± 1%

DC Current 0 – 400μ/4000μ/40m/400mA

Accuracy ± 1.5%

AC Current 0 – 400μ/4000μ/40m/400mA

Accuracy ± 1.5%

Capacitance 0 – 4n/40n/400μ/4μ/40μ/400μ/4m/40mF

Accuracy ± 3.0%

Resistance 0 – 400/4k/40k/400k/4M/40M.Ω

Accuracy ± 1.0%

Digital Moisture Meter

Metravi MM-1

Hardened Material like Plaster, Concrete and Mortar

Battery Operated

Low Battery Indication

Impact Proof Plastic Housing

Measuring principle Electrical Resistance

Electrode length 8mm

Electrodes Integrated and replaceable

Display Extra Large LCD

Range Wood, Paper : 6 - 44%
Hardened Material : 0.2 to 2.0%

Accuracy Wood : ± 1%
Hardened Material : ±0.05%



Metravi UONT-100A

Used to measure low resistance of switch contacts, SF Switchgears, bus bars, splices, joints, fuses, breaker contacts and low inductive windings

Test Current is 100A selectable in steps of 5, 10, 20, 50 and 100A

Resistance measurement range 0 - 199.9u / 1999u / 19.99m / 199.9m.Ω

Accuracy ±1% or rdg ±5 dgts

Auxiliary Power Supply 230V Single Phase AC 50Hz.

Complete with current leads, potential leads, power supply cable and instruction manual



Metravi MM-2

Used to measure moisture content in Wood, Bamboo, Cotton, Tobacco, Paper, Foodstuffs etc

Data Hold Facility

Low Battery Indication

Quick Response

Display 2 Digits Large LCD

Range 5% to 40%

Resolution 1%

Accuracy ±1%

Built in electrodes



Metravi UONT-200A

Used to measure low resistance of switch contacts, SF Switchgears, bus bars, splices, joints, fuses, breaker contacts and low inductive windings

Test Current is 200A selectable in steps of 5, 10, 20, 50, 100 and 200A

Resistance measurement range 0 - 199.9u / 1999u / 19.99m / 199.9m.Ω

Accuracy ±1% or rdg ±5 dgts

Auxiliary Power Supply 230V Single Phase AC50Hz.

Complete with current leads, potential leads, power supply cable and instruction manual



Digital Milli Ohms Meter

Metravi 52C

Low resistance range: 0~40Ω

Display: 3-3/4 Digits large LCD with bar graph display

Maximum output current 200mA (400mΩ)

Relative measurement

Auto Power Off

Low Battery and Over Range Indication

4Terminal Measurement with kelvin clip probes

Overload Protection on all ranges

Max / Min Recording



Metravi MM-5

Specially Designed for Timber Industry

Has Eight Calibrating Scales

Accurate Measurement in 150 wood species

Can be used with integral pin electrodes or using the heavy duty moisture probe

Automatic temperature compensation

Range 6% to 100%

Resolution 0.1

Accuracy ±1%

Temperature Measuring Range -35°C ~ 80°C

Accuracy ±2°C



Metravi MM-10

Pinless Moisture meter is an electronic dampness indicator with a measuring process working on the principle of high frequency measurement.

Used for non-destructive tracing dampness in building materials of all kinds as well as for detecting damp distribution in walls, ceiling and floors.

Suitable for pre-testing the readiness of building materials for covering prior to CM Measurement

Quickly indicates the moisture content of materials

Depth of penetration about 20 – 40mm

Low battery Indication, Auto Power Off

Max / Min Record Function.

Data Hold

White Backlit LCD Display

Measuring Range: 0 to 100%



Metravi XB-33CF (Contd.)

Resistance	0 – 600/6k/60k/600k/6M/40MΩ
Accuracy	± 0.8%
Capacitance	0 – 60n/600n/6μ/60μ/600μ/6m /30mF
Accuracy	± 3.5%
Frequency	0 – 10/100/1k/10k/100k/1M/20MHz
Accuracy	± 0.1%
Temperature	-20 to 1000°C
Accuracy	± 1.0%
Diode and Continuity Test Facility	
CAT-IV 600V	

Metravi 702

Display	3-1/2 Digits 1999 Counts LCD
DC Voltage	0-200mV/2V/20V/200V/1000V
Accuracy	± 0.5%
AC Voltage	0-2V/20V/200V/750V
Accuracy	± 0.8%
DC Current	200μA/2mA/20mA/200mA/20A.
Accuracy	± 0.8%
AC Current	2mA/20mA/200mA/20A
Accuracy	± 1.2%
Resistance	0-200Ω/2kΩ/20kΩ/200kΩ/2M/20MΩ
Accuracy	± 0.8%
With Diode Test, Transistor Test, Audible Continuity Test	
Fully Protected: Overload Protected up to 500V DC/AC RMS in all ranges	
Confirms to CE, CAT-II 1000V	



Digital Multimeter

Metravi XB-30

Display:	1999 (3 1/2) Count, 15mm Backlit LCD
Auto Power Off	
Over Load Protection of 500V DC/AC RMS	
DC Voltage	0-200mV/2V/20V/200V/600V
Accuracy	±0.5%
AC Voltage	0-200V/600V
Accuracy	±1.2%
DC Current	0-2000μA/20mA/200mA/10A
Accuracy	±1.0%
Resistance	0-200/2K/20K/200K/2M.Ω
Accuracy	±0.8%
Battery Test	9V/1.5V
With Diode Test, Continuity Test and Data Hold.	
Confirms to CE, CAT-III 600V, IEC 1010-1	



Metravi 6030A

3-5/6 Digits 6000 Counts Backlit LCD	
T-RMS Digital Multimeter	
Overload Protection on all ranges	
Auto Power Off	
Low Battery Indication	
Confirms to IEC61010-1 and IEC1010-2-032	
Confirms to CE, CAT-III 600V	
Data Hold, MAX-MIN Record Function	
DC Voltage	0 – 600mV/6V/60V/600V/1000V
Accuracy	±0.5%
AC Voltage (T-RMS)	0 – 6V/60V/600V/750V
Accuracy	±0.8%
DC Current	0 – 60μA/6mA/60mA/600mA /20A
Accuracy	±0.8%
AC Current (T-RMS)	0 – 6mA/60mA/600mA/20A
Accuracy	±1.0%
Resistance	0 – 600/6k/60k/600k/6M/60MΩ
Accuracy	±0.8%
Capacitance	0 – 9.999n / 99.99n – 999.9uF / 9.999mF / 99.99mF
Accuracy	±2.5%
Frequency	9.999Hz ~ 10.00MHz
Accuracy	±0.1%
Transistor Test, Diode & Audible Continuity Test	



Metravi XB-33CF

6000 Counts Backlit LCD Display	
Data Hold, MAX / MIN Record Function	
Non Contact Voltage Detector	
Flash Light to access dark areas	
Touch of a button to display frequency while measuring Voltage / Current	
Overload Protection	
Low Battery Indication	
DC Voltage	0 – 6/60/600/1000V DC
Accuracy	± 0.5%
AC Voltage (T-RMS)	0 – 6/60/600/750V AC
Accuracy	± 0.8%
DC Current	0 – 600μ/6000μ/60m/600m/6/10A DC
Accuracy	± 1.2%
AC Current (T-RMS)	0 – 600u/6000u/60m/600m/6/10A AC
Accuracy	± 1.2%



Metravi 603

Display	3-1/2 Digits 1999 Counts LCD with Annunciators
Data Hold to Freeze Displayed Data	
Full overload protection	
600V DC/AC Protection in Resistance Range	
AC Voltage	0 – 200mV/2/20/200/750V
Accuracy	± 0.8%
DC Voltage	0 – 200mV/2/20/200/750V
Accuracy	± 0.5%
AC Current	0 – 20m/200m/20A
Accuracy	± 1.0%
DC Current	0 – 200µA/2m/200m/20A
Accuracy	± 0.8%
Capacitance	0 – 20n/2µ/200µF
Accuracy	± 2.5%
Resistance	0 – 200/2k/20k/200k/2M/20M/ 200MΩ
Accuracy	± 0.8%
Transistor Test, Diode Test and Audible Continuity Test	



Metravi 901-I

Auto Ranging	
Auto Power Off	
Data Hold Facility to freeze the displayed Data	
Double Insulation class 2 Double Injection Molded Housing.	
Overload Protection of 500V DC/AC RMS in the resistance, Temperature, Diode test and continuity test ranges.	
10A Fuse Protection.	
Display	3-1/2 Digits 2000 Counts LCD with Function Indicator
DC Voltage	0-200mV/2V/20V/200V/1000V
Accuracy	± 0.5%
AC Voltage	0 - 200mA/2V/20V/200V/1000V
Accuracy	± 1.2%
DC Current	0-200µA/2000µA/20mA/200mA/10A
Accuracy	± 1.0%
AC Current	0-200µA/2000µA/20mA/200mA/10A
Accuracy	± 1.5%
Resistance	0-200Ω/2KΩ/20KΩ/200KΩ/2MΩ/20MΩ
Accuracy	1.0%
Temperature	-50°C to +1000°C / -58°F to +1832°F
Accuracy	±3%
Clamp-On AC/DC Current adaptor can be used to measure 0-200/2000A AC/DC.	
Accuracy shall be ± 1.5% for AC Measurement and ±1.0% for DC current Measurement.	
Confirms to : EN61010-1, CAT III 600V,CE.	



Metravi 19

3-3/4 Digits 3999 Counts Jumbo LCD Display	
T-RMS Auto-ranging	
Non Contact Voltage Detector	
Auto Power Off	
AC Bandwidth 40 – 100kHz	
Transistor Test	
Data Hold, MAX-MIN Record	
DC Voltage	0 - 400mV/4V/40V/400V/1000V
Accuracy	±0.5%
AC Voltage (T-RMS)	0 - 400mV/4V/40V/400V/750V
Accuracy	±0.8%
DC Current	0 - 400µA/4000µA/40mA/400mA/4A/20A
Accuracy	±1.0%
AC Current (T-RMS)	0 - 400µA/4000µA/40mA/400mA/4A/20A
Accuracy	±1.2%
Resistance	0 - 400Ω/4kΩ/40kΩ/400kΩ/4MΩ/40MΩ
Accuracy	±0.8%
Capacitance	0 - 40nF/400nF/4µF/40µF/400µF/4mF/40mF
Accuracy	±2.5%
Frequency	0 - 10Hz/100Hz/1kHz/10kHz/100kHz/1MHz/30MHz
Accuracy	±0.5%
Temperature	-40°C~1000°C
Accuracy	±1.0%
Diode Test and Continuity Test	
Confirms to CE, EMC/LVD, IEC 1010.	



Metravi 19 SUPER

T-RMS	
Data Hold to freeze displayed data	
Auto power Off	
Auto-ranging	
Relative Measurement facility	
Non Contact Voltage Detector	
Display	3-5/6 Digits 6000 counts LCD
DC Voltage	0 – 600mV / 6 / 60 / 600 / 1000V
Accuracy	±0.5%
AC Voltage T-RMS	0 - 600mV/6/60/600/1000V
Accuracy	±0.8%
DC Current	0 - 600µ/6000µ/60m/600m/6/20A
Accuracy	±1.0%
AC Current T-RMS	0 - 600µ/6000µ/60m/600m/6/20A
Accuracy	±1.2%
Resistance	0 – 600/6k/60k/600k/6M/60MΩ
Accuracy	±0.8%
Capacitance	0 – 6n/60n/600n/6µ/60µ/600µ/6m / 60m F
Accuracy	±4.0%
Frequency	0 – 9.999Hz ~ 9.999MHz
Accuracy	±0.1%
Duty Cycle	0.1% to 99.9%
Temperature	-40 to 1000 °C
Accuracy	±1.0%
Duty Cycle, Transistor, Diode and Continuity Test	
Confirms to CE, CAT-II 1000V.	



Metravi 901-II

Data Hold to Freeze Displayed data
Auto Power Off
Relative Measurement Facility
Display 3-¾ Digits 4000 Counts LCD
DC Voltage 0-400mV/4V/40V/400V/600V
Accuracy ± 0.5%
AC Voltage 0-400mV/4V/40V/400V/600V
Accuracy ± 1.2%
DC Current 0-400µA/4000µA/40mA/400mA/10A
Accuracy ± 1.0%
AC Current 0-400µA/4000µA/40mA/400mA/10A
Accuracy ± 1.5%
Resistance 0-400Ω/4KΩ/40KΩ/400KΩ/4MΩ/40MΩ
Accuracy ± 1.0%
Capacitance 0-4nF/40nF/400nF/4µF/40µF/200µF
Accuracy ± 3.0%
Frequency 0-9.999Hz/99.99Hz/999.9Hz/9.999KHz/99.99KHz/999.9KHz/9.999MHz
Accuracy ± 1.2%
Duty Cycle 0.1% - 99.9%
Accuracy ± 1.2%
Temperature -20°C to +760°C / -4°F to +1400°F
Accuracy ± 3.0%
Diode Test and Audible Continuity Test
Confirms to CAT-III 600V,EN61010-1, CE



Metravi 901-IV

Data Hold to Freeze Displayed data
Auto Power Off
True RMS
Display 6000 Counts Backlit LCD with analogue bargraph
DC Voltage 0-600mV/6V/60V/600V/1000V
Accuracy ± 0.5%
AC Voltage 0-6V/60V/600V/1000V
Accuracy ± 1.5%
DC Current 0-6A/10A
Accuracy ± 2.5%
AC Current 0-6A/10A
Accuracy ± 3.0%
Resistance 0-600Ω/6KΩ/60KΩ/600KΩ/6MΩ/60MΩ
Accuracy ± 1.0%
Capacitance 0-40nF/400nF/4µF/40µF/400µF/4000µF
Accuracy ± 3.0%
Frequency 0-9.999Hz/99.99Hz/999.9Hz/9.999KHz/99.99KHz/999.9KHz/20MHz
Accuracy ± 1.2%
Duty Cycle 0.1% - 99.9%
Accuracy ± 1.2%
Temperature -20°C to +760°C / -4°F to +1400°F
Accuracy ± 3.0%
Diode Test and Audible Continuity Test
Confirms to CAT-III 600V,CAT-II 1000V EN61010-1, Class2 Double Insulation
Overload Protection of 600V DC/AC on all ranges.



Metravi 901-III

Data Hold to Freeze Displayed data
Auto Power Off
Relative Measurement facility
Display 6000 Counts LCD backlit display with analogue bargraph
DC Voltage 0-600mV/6V/60V/600V/1000V
Accuracy ± 0.5%
AC Voltage 0-6V/60V/600V/1000V
Accuracy ± 1.2%
DC Current 0-6A/10A
Accuracy ± 2.5%
AC Current 0-6A/10A
Accuracy ± 3.0%
Resistance 0-600Ω/6KΩ/60KΩ/600KΩ/6MΩ/60MΩ
Accuracy ± 1.0%
Capacitance 0-40nF/400nF/4µF/40µF/400µF/4000µF
Accuracy ± 3.0%
Frequency 0-9.999Hz/99.99Hz/999.9Hz/9.999KHz/99.99KHz/999.9KHz/20MHz
Accuracy ± 1.2%
Duty Cycle 0.1% - 99.9%
Accuracy ± 1.2%
Temperature -20°C to +760°C / -4°F to +1400°F
Accuracy ± 3.0%
Diode Test and Audible Continuity Test
Confirms to CAT-III 600V, EN61010-1, CE.
Overload protection of 600V DC/AC on all ranges.



Metravi 801

Peak Hold to freeze the peak value
Auto Power Off
Display 3-¾ Digits 3999 counts LCD
DC Voltage 0-400mV/4V/40V/400V/1000V
Accuracy ± 0.5%
AC Voltage 0 - 400mV/4V/40V/400V/750V
Accuracy ± 1.0%
DC Current 0 - 40mA/400mA/20A
Accuracy ± 1.0%
AC Current 0 - 40mA/400mA/20A
Accuracy ± 1.5%
Resistance 0 - 400Ω/4KΩ/40KΩ/400KΩ/4MΩ/40MΩ/400MΩ
Accuracy ± 0.8%
Capacitance 0 - 4nF/40nF/400nF/4µF/40µF
Accuracy ± 5%
Frequency 0 - 4kHz/40KHz/400KHz/4000kHz
Accuracy ± 0.1%
Logic Test, Diode Test, and Audible Continuity Test Facility
Has Overload Protection of 500V DC / AC RMS in Resistance, Capacitance, Logic Test, Frequency, Diode Test and Audible Continuity Test Ranges.



Metravi DT-19TB

Terminal Blocking Facility to prevent wrong connection.	
Overload Protection of 500V DC/AC RMS in the Resistance, Capacitance, Frequency, Temperature, Duty Cycle, Battery Test, Diode Test and Continuity Test Facilities.	
20A AC/DC Fuse Protected	
Double Molded Housing.	
Data Hold to freeze the displayed data	
Auto Power Off	
Display	3-¾ Digits 4000 Counts Extra Large Backlit LCD
DC Voltage	0 – 400mV/4V/40V/400V/1000V
Accuracy	± 0.5%
AC Voltage	0 – 4V/40V/400V/1000V
Accuracy	± 1.2%
DC Current	0 - 400µA/4000µA/40mA/400mA/4A/20A
Accuracy	± 1.0%
AC Current	0 – 400µA/4000µA/40mA/400mA/4A/20A
Accuracy	± 1.5%
Resistance	400Ω/4kΩ/40KΩ/400KΩ/4MΩ/40MΩ
Accuracy	± 1.0%
Capacitance	0– 40nF/400nF/4µF/40µF/100µF
Accuracy	± 3.0%
Frequency	0 – 9.999Hz/99.99Hz/999.9Hz/9.999kHz/99.99kHz/999.9kHz/9.999MHz
Accuracy	± 1.2%
Duty Cycle	0.1% to 99.9%
Accuracy	± 1.2%
Temperature	-20°C to +760°C / -4°F to +1400°F
Accuracy	± 3%
Battery Test	9V range
Accuracy	± 1%
Clamp-On AC/DC Current Adaptor can be used to measure 0– 400A AC/DC	
Accuracy shall be ± 1.5% for AC Measurement and ±1.0% for DC Measurement.	
Diode Test and Audible Continuity Test	
Confirms to CAT-II 1000V, EN61010-1, CE.	



Metravi 23S-TRMS

Display	20000 Counts, 4-1/2 Digits, Backlit LCD display
T-RMS Measurements of Voltage and Current	
Data Hold, Peak Hold	
Relative Measurement	
Non Contact Voltage Detection	
Auto Power Off	
Measurement method	double integral A / D conversion;
DC Voltage	0 – 200mV/2/20/200/1000V
Accuracy	± 0.05%
AC Voltage (T-RMS)	0 – 200mV/2/20/200/750V
Accuracy	± 0.06%
DC Current	0 – 200u/2000u/20m/200m/10A
Accuracy	± 0.5%
AC Current (T-RMS)	0 – 200u/2000u/20m/200m/10A
Accuracy	± 0.5%
Resistance	0 – 200/2k/20k/200k/2M/20M.Ω
Accuracy	± 0.3%
Capacitance	0 – 20n/200n/2u/20u/200µ/2000µF
Accuracy	± 3.0%



Metravi 23S-TRMS (Contd.)

Frequency	0 – 10/100/1k/10k/100k/1M/20MHz
Accuracy	± 0.01%
Temperature	-20 to 1000 °C
Accuracy	± 1.0%
Diode & Continuity Test Facility	

Metravi 540

T-RMS Measurement	
Data Hold	
Auto Power Off	
Display	4 ½ Digits 19999 Counts Large LCD
DC Voltage	0 – 200mV/2/20/200/1000V
Accuracy	± 0.05%
AC Voltage	0 – 200mV/2V/20V/200V/1000V T-RMS
Accuracy	± 0.1%
DC Current	0 - 20mA/200mA/10A
Accuracy	± 0.5%
AC Current	0 – 20mA/200mA/10A T-RMS
Accuracy	± 1.0%
Resistance	0 - 200Ω/2KΩ/20KΩ/200KΩ/2MΩ/20MΩ
Accuracy	± 0.1%
Capacitance	0 – 20nF/200nF/2µF/20µF
Accuracy	± 2.0%
Frequency	0 – 20KHz/200KHz
Accuracy	± 1.0%
Diode Test and Audible Continuity Test	



Metravi DM-454

22000 Counts LCD Display with Bargraph	
Data Hold & Peak Hold	
Relative Measurement	
True RMS	
10kHz Bandwidth	
Fuse Protected	
Overload Indication	
Low Battery Indication	
9V Battery Operated	
USB PC Interface (Software & Cable Optional)	
Confirms to CAT III 1000V, CAT-IV 600V	
CE Certified	
DC Voltage	0 – 220mV/2.2V/22V/220V/1000V DC
Accuracy	± 0.1%
AC Voltage	0 - 220mV/2.2V/22V/220V/750V AC T-RMS
Accuracy	± 0.8%
DC Current	0 – 220uA/2200µA/22mA/220mA/10A DC
Accuracy	± 0.5%
AC Current	0 – 220uA/2200µA/22mA/220mA/10A AC T-RMS
Accuracy	± 0.8%
Resistance	0 – 220/2.2k/22k/220k/2.2M/22M/220MO
Accuracy	± 0.5%
Capacitance	0 – 22n/220n/2.2µ/22µ/220µ/2.2m/22m/220mF
Accuracy	± 3.0%
Frequency	10Hz – 220MHz
Accuracy	± 0.01%
Duty Cycle, Diode and Continuity Test Facility	



Metravi Metrasafe Series

Safest Instrument with full protection
Overload protection up to 1200V DC / AC RMS in the AC/DC Voltage range.
Overload protection up to 20A DC/AC RMS by fast blow fuse in the AC/DC Current range.
Overload protection up to 600V DC / AC RMS in the capacitance, Frequency, Temperature, Resistance, Continuity and Diode Test Range (For METRASAFE 13 & METRASAFE 14)
Overload protection up to 1000V DC / AC RMS in the capacitance, Frequency, Temperature, Resistance, Continuity and Diode Test Range (For METRASAFE 15, METRASAFE 16 & METRASAFE 18)
The instrument has overload protection up to 20A DC/AC RMS in the Voltage Range and 1000V DC/AC RMS in the Current Range.
Surge Protection of 8 kV peak IEC 61010
Ring Seal body.
The instrument has IP-67 Protection making the body water proof even if dipped in 1m. deep water for 30 mins.
Double molded injection body with rubber lining to provide insulation against electrical shocks and anti-slip grip.
Confirms to EN61010-1, CAT IV 600V, CAT III 1000V.
Two Years' Warranty against any manufacturing defects

Metravi Metrasafe-10

6000 Counts Backlit LCD Display
T-RMS measurement
Dual Range NCV Test which quickly identifies neutral and live wires through light intensity
Audio / Visual Alarm
Capacitor Charging Indicator
Double Mould Injection
Auto Backlit
Flashlight
Low Battery Indication
Auto Power Off
Data Hold & Relative Measurement
DC Voltage 0 - 600mV/6V/60V/600V/1000V
Accuracy ±0.5%
AC Voltage (T-RMS) 0 - 6V/60V/600V/1000V
Accuracy ±0.8%
DC Current 0 - 60uA/60mA/600mA/20A
Accuracy ±0.8%
AC Current (T-RMS) 0 - 60mA/600mA/20A
Accuracy ±1.0%
Resistance 0 - 600/6k/60k/600k/6M/60MΩ
Accuracy ±0.8%
Capacitance 0 - 6n/60n/600n/6u/60u/600u/6m/60m/100mF
Accuracy ±2.5%
Frequency 0 - 9.999Hz / 9.999MHz
Accuracy ±0.1%
Duty Cycle 0.1% to 99.9%
Accuracy ±2.0%
Temperature -40 to 1000°C
Accuracy ±2.0%
Diode, Transistor and Continuity Test



Metravi Metrasafe-13

Fully Protected DMM
1200V DC/AC RMS Protection in Voltage Ranges
20A DC/AC RMS Protection in Ampere Ranges
600V DC/AC RMS Protection in Resistance, Capacitance, Frequency, Continuity and Diode Test Range
Surge Protection of 8kV peak IEC61010
"O" Ring Seal Body
IP-67 Protection
Data Hold to freeze displayed reading
Relative Measuring facility
Auto Power Off
Display 3-¾ Digits 4000 Counts Backlit LCD
DC Voltage 0 - 400mV/4V/40V/400V/1000V
Accuracy ± 0.5%
AC Voltage 0 - 400mV/4V/40V/400V/1000V
Accuracy ± 1.2%
DC Current 0 - 400µA/4000µA/40mA/400mA/20A
Accuracy ± 1.0%
AC Current 0 - 400µA/4000µA/40mA/400mA/20A
Accuracy ± 1.5%
Resistance 0 - 400Ω/4kΩ/40kΩ/400kΩ/4MΩ/40MΩ
Accuracy ± 1.0%
Capacitance 0 - 4nF/40nF/400nF/4µF/40µF/200µF
Accuracy ± 3.0%
Frequency 0 - 9.999Hz/99.99Hz/999.9Hz/9.999kHz/99.99kHz/999.9kHz/9.999MHz
Accuracy ± 1.2%
Duty Cycle 0.1% - 99.9%
Accuracy ± 1.2%
Diode Test and Audible Continuity Test
Confirms to CAT-III 1000V, CAT IV 600V, EN61010-1, CE.



Metravi Metrasafe-14

Fully Protected DMM
1200V DC/AC RMS Protection in Voltage Ranges
20A DC/AC RMS Protection in Ampere Ranges
600V DC/AC RMS Protection in Resistance, Capacitance, Temperature, Frequency, Diode Test and Continuity Test Range
Surge Protection of 8kV peak IEC61010
"O" Ring Seal Body
IP-67 Protection
Data Hold to freeze displayed reading
Relative Measuring facility
Auto Power Off
Display 3-¾ digits 3999 Counts Backlit LCD
DC Voltage 0 - 400mV/4V/40V/400V/1000V
Accuracy ± 0.5%
AC Voltage 0 - 400mV/4V/40V/400V/1000V
Accuracy ± 1.2%
DC Current 0 - 400µA/4000µA/40mA/400mA/20A
Accuracy ± 1.0%
AC Current 0 - 400µA/4000µA/40mA/400mA/20A
Accuracy ± 1.5%
Resistance 0 - 400Ω/4KΩ/40KΩ/400KΩ/4MΩ/40MΩ
Accuracy ± 1.0%
Capacitance 0 - 4nF/40nF/400nF/4µF/40µF/200µF
Accuracy ± 3%
Frequency 0 - 9.999Hz/99.99Hz/999.9Hz/9.999kHz/9.999kHz/999.9kHz/9.999MHz
Accuracy ± 1.2%



Metravi Metrasafe-14 (Contd.)

Duty Cycle	0.1% ~ 99.9%
Accuracy	± 1.2%
Temperature	-20°C to -760°C / -4°F to +1400°F
Accuracy	± 3%
Diode Test&Audible Continuity Test	
Confirms to CAT-III 1000V, CAT IV 600V, EN61010-1, CE.	

Metravi Metrasafe-15

Fully Protected DMM	
1200V DC/AC RMS Protection in Voltage Ranges	
20A DC/AC RMS Protection in Ampere Ranges	
600V DC/AC RMS Protection in Resistance, Capacitance, Frequency, Temperature, Continuity and Diode Test Ranges	
Surge Protection of 8kV Peak IEC61010	
"O" Ring Seal Body	
IP-67 Protection	
Peak Hold	
Max / MIN Recording	
Auto Power Off	
Display	3-¾ Digits 4000 Counts Backlit LCD with Analogue Bargraph
DC Voltage	0 – 400mV/4V/40V/400V/1000V
Accuracy	± 0.5%
AC Voltage	0 – 400mV/4V/40V/400V/1000V
Accuracy	± 0.8%
DC Current	0 - 400µA /4000µA/40mA/400mA/20A
Accuracy	± 1.2%
AC Current	0 - 400µA/4000µA/40mA/400mA/20A
Accuracy	± 1.5%
Resistance	0 - 400Ω/4kΩ/40KΩ/400KΩ/4MΩ/40MΩ
Accuracy	± 0.8%
Capacitance	0 - 4nF/40nF/400nF/4µF/40µF/400µF/4mF/40mF
Accuracy	± 3%
Frequency	0 – 4KHz/40KHz/400KHz/40MHz
Accuracy	± 1.2%
Temperature	-20°C to +760°C / -4°F to 1400°F
Accuracy	± 3%
Diode Test and Audible Continuity Test	
Confirm to CAT-III 1000V, CAT IV 600V,EN61010-1,CE	



Metravi Metrasafe-16

Fully Protected DMM	
1200V DC/AC RMS Protection in Voltage Ranges	
20A DC/AC RMS Protection in Ampere Ranges	
600V DC/AC RMS Protection in Resistance, Capacitance, Frequency, Temperature, Continuity and Diode Test Ranges	
Surge Protection of 8kV Peak IEC61010	
"O" Ring Seal Body	
T-RMS measurement, Peak Hold, Relative Measuring	
MAX / MIN Recording,	
Auto Power Off	
Display	3-¾ Digits 4000 Counts Backlit LCD with Analog Bargraph
DC Voltage	0 – 400mV/4V/40V/400V/1000V



Accuracy	± 0.5%
AC Voltage	0 – 400mV/4V/40V/400V/1000V T-RMS
Accuracy	± 0.8%
DC Current	0 - 400µA/4000µA/40mA/400mA/20A
Accuracy	± 1.2%
AC Current	0 – 400uA/4000uA/40mA/400mA/20A T-RMS
Accuracy	± 1.5%
Capacitance	0 – 4nF/40nF/400nF/4µF/40µF/400µF/4mF/40mF
Accuracy	± 3%
Frequency	0 – 4kHz/40KHz/400KHz/40MHz
Accuracy	± 1.2%
Temperature	-20°C to +760°C / -4°F to +1400°F
Accuracy	± 3%
Diode Test and Audible Continuity Test	
Confirms to CAT-III 1000V, CAT-IV 600V, EN61010-1, CE	

Metravi Metrasafe-18

Fully Protected DMM	
1200V DC/AC RMS Protection in Voltage Ranges.	
20A DC/AC RMS Protection in Ampere Ranges.	
1000V DC/AC RMS Protection in Resistance, Capacitance, Frequency, Temperature, IR Temp. measurement, Diode and Continuity Test.	
"O" Ring Seal Body	
IP-67 Protection	
Surge Protection of 8kV peak IEC-61010	
T-RMS measurement	
Relative Measurement	
Data Hold and Peak Hold Facility	
MAX / MIN recording facility.	
Auto Power Off	
Display	4-¾ Digits 40,000 Count Backlit LCD with Analog Bargraph
DC Voltage	0 - 400mV/4V/40V/400V/1000V
Accuracy	± 0.06%
AC Voltage	0 – 400mV/4V/40V/400V/1000V T-RMS
Accuracy	± 1.0%
DC Current	0 – 400µA/4000µA/40mA/400mA/10A
Accuracy	± 1.0%
AC Current	0 – 400µA/4000µA/40mA/400mA/10A T-RMS
Accuracy	± 1.5%
Resistance	0 - 400Ω/4KΩ/40KΩ/400KΩ/4MΩ/40MΩ
Accuracy	± 0.3%
Capacitance	0 - 40nF/400nF/4µF/40µF/400µF/4000µF/40mF
Accuracy	± 3.5%
Frequency	40Hz/400Hz/4KHz/40KHz/400KHz/4MHz /40MHz/100MHz
Accuracy	± 0.1%
Duty Cycle	0.1 to 99.90%
Accuracy	± 1.2%
Temperature	-20°C to 1000°C / -58°F to 1832°F
Infra Red Non Contact Temperature measuring Range: -30°C ~ +500°C / -22°F to 1022°F	
Process Display 4-20mA = 0 - 100%	
Diode Test and Audible Continuity Test	
Confirms to CAT-III 1000V, CAT-IV 600V, EN61010-1,CE.	



Metravi Metrasafe-19

Fully Protected DMM	
1200V DC/AC RMS Protection in Voltage Ranges	
20A DC/AC RMS Protection in Ampere Ranges	
1000V DC/AC RMS Protection in Resistance, Capacitance, Frequency, Temperature, Diode and Continuity Test	
Surge Protection 8kV Peak IEC-61010	
"O" Ring Seal Body	
IP-67 Protection	
Wireless USB PC Interface	
T-RMS Measurements	
Peak Hold, Relative Measuring Facility,	
MAX / MIN Recording, Auto Power Off	
Display	4- $\frac{3}{4}$ Digits 40,000 Counts Backlit LCD
DC Voltage	0 - 400mV/4V/40V/400V/1000V
Accuracy	$\pm 0.06\%$
AC Voltage	0 - 400mV/4V/40V/400V/1000V T-RMS
Accuracy	$\pm 1.0\%$
DC Current	0 - 400 μ A/4000 μ A/40mA/400mA/10A
Accuracy	$\pm 1.0\%$
AC Current	0 - 400 μ A/4000 μ A/40mA/400mA/10A T-RMS
Accuracy	$\pm 1.0\%$
Resistance	0 - 400 Ω /4K Ω /40K Ω /400K Ω /4M Ω /40M Ω
Accuracy	$\pm 0.3\%$
Capacitance	0 - 40nF/400nF/4 μ F/40 μ F/400 μ F/4000 μ F/40mF
Accuracy	$\pm 3.5\%$
Frequency	40Hz/400Hz/4KHz/40KHz/400KHz/4MHz/40MHz/100MHz
Accuracy	$\pm 0.1\%$
Duty Cycle	0.1% to 99.90%
Accuracy	$\pm 1.2\%$
Temperature	-20°C to 1200°C / -58°F to 2192°F
Accuracy	$\pm 1.0\%$
Diode Test and Audible Continuity Test Facility	
Confirms to EN61010-1, CAT-III 1000V, CAT-IV 600V, UL 61010B-2-031	



Metravi Metrasafe-20

60,000 Counts OLED Display	
0.025% Basic Accuracy	
Overload protection voltage between input terminal and grounding shall be 1,000V	
Auto-Ranging	
Re-chargeable battery and battery charger	
100kHz Bandwidth	
Data Logging Facility	
USB PC Interface (optional)	
Non Contact Voltage Detector	
Design meets the safety standards of IEC/EN61010-1, pollution level 2, overvoltage category (CATIII 1000V and CAT IV 600V) and double insulation.	
Confirms to UL STD. 61010-1, 61010-2-030, 61010-2-033 Certified to CSA STD. C22.2 NO. 61010-1, 61010-2-030, IEC STD 61010-2-033	
Lo-Z Measurement	
DC Voltage	0 - 600m / 6 / 60 / 600 / 1000V DC
Accuracy	$\pm 0.025\%$
AC Voltage	0-600mV/6V/60V/600V/1000V



Metravi Metrasafe-20 (Contd.)

Accuracy	$\pm 0.4\%$
DC Current	0-600 μ / 6000 μ / 60m / 600m / 6A/10A
Accuracy	$\pm 0.15\%$
AC Current	0-600 μ / 6000 μ / 60m / 600m / 6A/10A
Accuracy	$\pm 0.75\%$
Resistance	0-600 Ω /6K Ω /60K Ω /600K Ω /6M Ω /60M Ω
Accuracy	$\pm 0.05\%$
Conductance	60.00nS
Capacitance	0-6nF/60nF /600nF/6 μ F/60 μ F/600 μ F/6mF / 60mF
Accuracy	$\pm 2.5\%$
Frequency	60.000Hz ~ 10.000MHz
Accuracy	$\pm 0.01\%$
Duty Cycle	1.0% - 99.0%
Accuracy	$\pm 3.0\%$
Temperature	-40°C to +1000°C / -40°F to +1832°F
Accuracy	$\pm 1.0\%$
Square wave output	
Diode Test and Audible Continuity Test	
Current through clamp 60/600F DC/ AC	
Accuracy	DC: $\pm 1\%$ AC: $\pm 1.2\%$

Accessories For Digital Multimeters

Metravi CA-01

Can be used with any Digital Multimeter with 200mV / 400mV / 600mV DC range	
Can measure AC Current up to 200A.	
Provides output of 1mV/A	
Sensitivity	1A/mV AC
Accuracy	$\pm 2\%$
Clamp Jaw Size	16mm Dia.



Metravi CA-1000D

Clamp Jaw Size - 30mm	
Low Battery Indication	
Provides output of 1mV/A for 600A Range, to be used with any DMM with 400mV or 600mV range.	
Also provides 0.1mV/A output for 1000A Range to be used with 600mV range.	
Can be used to measure AC/DC Current up to 1000A.	
Can be used with any Digital Multimeter with 200m / 400m / 600m / 2 / 4 / 6V DC range.	
Confirms to CAT-II 600V of the EN 61010-1 and EN-61010-2-032 Standards	



Metravi TS-03

Measures temperature in the range of -30 to 550°C	
Measures in Fahrenheit scale also	
Distance to Sighting Ratio	8:1
Emissivity	0.95 Fixed
Auto Power Off	
Low Battery Indication	
Provides an output for 1mV/Degree C.	
Can be used with any Digital Multimeter with 200m / 400m / 600m / 2 / 4 / 6 V DC range.	
Spectral Response	6 to 14um (wavelength)
Has Laser Pointer	



Metravi PD-28

High Voltage Probe to measure AC/DC High Voltage	
Measures upto 30kV DC and 20kV AC	
Accuracy	± 1%
Cable Length 1m	



Metravi MT-3

Single Laser Pointer	
Backlit LCD Display	
MAX/MIN Record function	
Low Battery Indication	
Adjustable Emissivity	0.10 – 1.00
Auto Data Hold	
Auto Power Off	
High Low Alarm Function	
Distance : Sighting	12:1
Measures in Celsius and Fahrenheit scales	
Temperature	-32 to 400°C
Resolution	0.1°
Response Time	500mS
Accuracy	±1°C



Test Leads

Metravi TL-74

One pair fo comfort grip probes	
1m long silicon, single insulated test leads with right-angle shrouded banana plugs	
Recommended for general purpose measurements	
CAT II 1000V, 10A rating	
CAT IV 600V, CAT III 1000V	
Length of cable 1m	
Dia of the plug 4mm	
Dia of the test lead point 2mm	
Banana plug termination	
Single Insulation	



Metravi MT-4

Gun type Infra Red Thermometer	
Anti-Slip Splash proof body	
Dual Laser sighting to indicate the diameter of area whose temperature is being measured	
Automatic Data Hold	
MAX Temperature record	
Set High and Low alarm	
Fast Response Time	
Selectable °C / °F Scales	
Trigger Lock facility for continuous measurement	
Backlight LCD Display	
Temperature Range	-50°C to 600°C (-58°F to 1112°F)
Distance to sighting	12:1
Display Resolution	0.1°C/°F
Accuracy	± 1.0%
Response Time	150ms
Spectral Response	8 ~ 14um
Emissivity: Digitally Adjustable from 0.10 to 1.0	
Safety: "CE" Comply with EMC	



Metravi TL-75

One pair fo comfort grip probes	
1m long silicon, double insulated test leads with right-angle shrouded banana plugs	
Recommended for general purpose measurements	
CAT II 1000V, 10A rating	
CAT IV 600V, CAT III 1000V	
Length of cable 1m	
Dia of the plug 4mm	
Dia of the test lead point 2mm	
Banana plug termination	
Double Insulation	



Metravi MT-5

Gun type Infra Red Thermometer	
Anti-Slip Splash Proof body	
Dual Laser sighting to indicate the diameter of area whose temperature is being measured	
Fast Response 150ms	
Automatic Data Hold	
Max record facility	
Hi – Low Alarm facility	
Trigger Lock facility for continuous temperature measurement	
Auto Power Off	
Selectable °C / °F Scales	
Over Range / Low Battery Indication	
Display	4 Digits White Backlit LCD
Range	-50°C to 800°C / -58°F to 1472°F
Accuracy	± 1.0%
Resolution	0.1°C / 0.1°F
Distance to Sighting	12:1
Spectral Response	8 ~ 14um
Emissivity Digitally adjustable from 0.10 to 1.0	
Safety "CE" Comply with EMC	



Digital Non Contact Infra Red Thermometer

Metravi MT-2

Gun type Infra Red Thermometer	
Laser pointer Indication to indicate the target under test.	
Data Hold&Auto Power Off	
MAX/Min Temperature Display	
Backlit LCD Display	
Over range Indication	
Measuring Range	-50°C to 550°C
Resolution	0.1°C / °F
Accuracy	± 2%
Distance to Sighting	12:1
Emissivity	0.95 fixed Value
Special Response	6 ~ 14um



Metravi MT-8

Gun type Infra Red Thermometer	
Anti-Slip Splash proof body	
Dual Laser pointer Indication to indicate the diameter of the target whose temperature is being measured	
Fast Response Time 150mS	
Automatic Data Hold	
Max Record Facility	
Hi-Lo Alarm Facility	
Trigger Lock facility for continuous temperature measurement without pressing the trigger	
Auto Power Off	
Selectable °C / °F Scales	
Over range / Low Battery Indication	
Display	4 Digit White Backlit LCD
Range	-50°C to 1000°C / -58°F to 1832°F
Resolution	0.1°C / 0.1°F
Accuracy	± 1.0%
Distance to Sighting:	20:1
Emissivity	Digitally Adjustable from 0.10 – 1.00
Spectral Response	8 – 14µm
Safety	"CE" Comply with EMC



Metravi MT-13 (Contd.)

Low Battery Indication	
Trigger lock facility to continuous measurement without pressing the trigger	
Tripod Stand provided to place the meter for continuous measurement	
Selectable °C / °F Scales	
IR Measurement Range	-50°C to 1050°C / -58°F to 1922°F
Distance to Sight	30:1
Resolution	0.1°C / °F
Accuracy	± 1.5%
Emissivity	Digitally Adjustable from 0.10 to 1.0
TK Measurement Range	-50°C to 1370°C / -58°F to 2498°F
Resolution	0.1°C / °F
Accuracy	± 1.5%
Safety	"CE" Comply with EMC



Metravi MT-10

Gun type Infra Red Thermometer	
Anti-Slip Splash Proof Body	
Laser Pointer Indication to Indicate the target under test	
Automatic Data Hold & Power Off facility	
Selectable °C / °F Scales	
Over range / Low Battery Indication	
Display	3 ½ Digits 1999 Counts LCD with Backlit
Range	-50°C to 1000°C / -58°F to 1832°F
Resolution	0.1°C / °F (up to 200°) else 1°C/°F
Accuracy	± 1.5%
Distance to Sighting	50:1
Response Time: Less than 1 Sec	
Emissivity	0.95 fixed value
Spectral Response	8 ~ 14µm
Safety	"CE" Comply with EMC



Metravi MT-14

Unique flat surface, modern housing design	
Built in Laser Pointer	
With built in contact type thermometer for K-type temperature sensor	
Automatically captures emissivity of the target	
Max / Min / Dif / Avg recording facility	
High Low Alarm Setting facility	
Data Hold facility	
Auto Power Off facility	
Low Battery Indication	
Trigger Lock facility to continuous measurement without pressing the trigger	
Tripod Stand provided to place the meter for continuous measurement	
Selectable °C / °F Scales	
IR Measurement Range	-50°C to 1300°C / -58°F to 2372°F
Resolution	0.1°C / °F
Emissivity	Digitally Adjustable from 0.10 to 1.0
Distance to Sighting Ratio	30:1
TK Measurement Range	-50°C to 1370°C / -58°F to 2498°F
Resolution	0.1°C / °F
Accuracy	± 1.5%
Provides analogue output of 1mV / °F for control action and data recording	
Mains and Battery Operated	
Facility for Offline Data Recording up to 20 Readings	
Safety	"CE" Comply with EMC



Metravi MT-13

Wireless USB Interface (RF 433MHz) for PC Interface	
Unique flat surface, Modern Housing design	
Built in laser Pointer	
With built in contact type thermometer for K-type temperature sensor	
Max / Min / Dif / Avg recording facility	
High – Low Alarm Setting Facility	
Auto Data Hold facility	
Auto Power Off facility	

Metravi MT-16

Gun type Infra Red Thermometer with USB PC Interface	
Anti-Slip Splash proof body	
Dual Laser sighting for indicating the diameter of target whose temperature is being measured	
Unique flat surface, modern housing design	
With built in contact type thermometer for K-type temperature sensor	
MAX/MIN/AVG/DIF Temperature	
Automatic Data Hold	
Trigger Lock	
High & Low Alarm setting facility	
Selectable °C / °F Scales	
Transmit data to PC with USB	
Data Storage up to 100 Data points	
Display	Backlit LCD Display
TK Temperature Range	-50°C to 1370°C (-58°F to 2498°F)
Accuracy	± 1.5%
Resolution	0.1°C / °F
IR Temperature Range	-50°C to 1800°C / -58°F to 3272°F
Resolution	0.1°C / °F
Accuracy	± 1.0%
Response Time	150ms
Spectral Response	8 ~ 14um
Distance to Sighting Ratio:	50:1
Emissivity	Digitally adjustable from 0.10 to 1.0



Metravi MT-18

Gun type Infra Red Thermometer with USB PC Interface	
Anti-Slip Splash proof body	
Dual Laser sighting for indicating the diameter of target whose temperature is being measured	
Unique flat surface, modern housing design	
With built in contact type thermometer for K-type temperature sensor	
MAX/MIN/AVG/DIF Temperature	
Automatic Data Hold	
Trigger Lock	
High & Low Alarm setting facility	
Selectable °C / °F Scales	
Transmit data to PC with USB	
Data Storage up to 100 Data points	
Display	Backlit LCD Display
TK Temperature Range	-50°C to 1370°C (-58°F to 2498°F)
Accuracy	± 1.5%
Resolution	0.1°C / °F
IR Temperature Range	-50°C to 2200°C / -58°F to 3992°F
Resolution	0.1°C / °F
Accuracy	± 1.0%
Response Time	150ms
Spectral Response :	8 ~ 14um
Distance to Sighting Ratio :	50:1
Emissivity	Digitally adjustable from 0.10 to 1.0



Metravi MT-20

Gun type Infra Red Thermometer	
Telescopic Sighting	
Data Hold Facility	
Hi-Lo Alarm Setting Facility	
Auto Power Off	
Selectable °C / °F Scales	
Over Range / Low Battery Indication	
Display	4 digits Backlit LCD
Measuring Range	500 to 3000°C
Accuracy	1%
Response Time	200mS
Resolution	1°C to 1°F
Emissivity	Adjustable 0.10 ~ 1.00
Distance to Sighting Ratio	120:1
Max / Min / Avg Temperature recording	



Digital Phase Angle Meter

Metravi CE-0102D

Micro-Controller Based	
Size Available	96 x 96 'or' 96 x 48 mm sq
Display	3-1/2 Digits Red LED Display
Range	-180.0° to + 180.0°
Input	300V AC & 5A AC
Voltage to Voltage & Voltage to Current options available	
Auxiliary Power Supply	230 / 110V AC 50Hz (Any One)



Digital Power Analyzer

Metravi CE-0102PA

Microprocessor Based instrument	
Measures Single Phase Voltage, Current, Watt and Frequency	
Suitable for direct line applications	
Can also be used in conjunction with a CT having 1A or 5A CT secondary	
Display	4 Digit LED Display
Minimum 10% of full load current is required for proper operation	
Accuracy	1%



Digital Power Factor Meter

Metravi CE-0Y0XPF

Microprocessor based 3 phase and single phase Power Factor measurement.	
Available in 96 * 96 mm Bezel Size for three phase and single phase meters and 96 * 48mm for single phase meters.	
Meters can be factory set for different CT/PT ratios to give a direct reading.	
Three phase meters display individual phase values and also system values.	
Available for 415V(LT) and 110 V(HT) systems and for 1 Amp and 5 Amp CT secondary.	
Auxiliary Power Supply : 230V AC 50Hz / 110V AC 50Hz	
In the Model number Y could be 3 for 3 phase and 1 for single phase and X could be 2 for 2 wire loads, 3 for 3 wire loads and 4 for 4 wire loads	



Digital Pressure Meter

Metravi PM-01

Backlit LCD Dual Display	
Low Battery Indication	
Under Range and Over Range Indication	
Fast Response Time	
Battery Operated.	
Measuring Range	0 - 5 PSI
It measures in various units like inH2O, PSI, bar, mbar, kPa, inHg, mmHg, OZin2, ftH2O, cmH2O, kgcm2.	
With RS-232 PC Interface Facility	
High Accuracy of 0.3%	



Metravi PM-39

An industrial tool that combines Digital Multimeter and process signal source for on-spot maintenance.

Double color plastic injection shell to meet IP65 dust-proof and waterproof grade, and can be used in harsh environment.

Complies with 600V CAT.IV, 1000V CAT.III safety standard.

Basic feature of input measurement

Measurement functions include: AC voltage, DC voltage, AC current, DC current, Ohms, capacitance, continuity, diode, frequency, RTD, Thermocouples - R, S, B, K, E, J, T, N.

The displayed reading of measured voltage, resistance and diode is 5500 bytes, and the basic accuracy is 0.1%.

The displayed reading of measured current is 55000 bytes, and the basic accuracy is 0.1%.

Measurement speed ratio: 20 times / second for fast, and 5 times/ second for slow.

True measured AC value, measurement bandwidth: 45Hz 400Hz

Selectable manual or auto range, measurement value held displays.

Relative value measurement REL_%

Basic feature of output measurement

Max accuracy of output can reach 0.2%, and the output display is 5-digit. Output function: DC voltage, DC current, Ohms, frequency, RTD, Thermocouples - R, S, B, K, E, J, T, N, SIMULATE function analog transmitter .

Displays mA and % value simultaneously and provide 25% and 100% manual-step, auto-step and auto-ramping output function when outputting DC current

Built-in 24V loop circuit.

Loop test function

Provide 24V loop circuit and measure current simultaneously.

Built-in 24V loop circuit and loop current measurement

Built-in and selectable 250 Ω HART loop resistance and loop power supply, easy for HART communication equipment, without carrying load resistance and power.

Built-in temperature transmitter, auto cold-compensation, and display in °C or °F

Large LCD of double show, with white backlight.

The meter employs panel calibration technique, connects to standard device, undertakes panel calibration operation according to set range, and saves relevant calibrated data, fulfills the periodic calibration work stipulated by the meter to ensure the accuracy and performance.

The meter can supply power with four alkaline batteries or Ni-mh batteries in the battery case, or use the adaptor to supply.

Other functions: Auto power shut off, Auto backlight shut, Low electrical test, Temperature unit setting etc.



Digital Process Meter

Metravi PM-49H

HART Loop Calibrator

Sources and Measures Voltage and Current

An industrial tool that combines Digital Multimeter and process signal source for on-spot maintenance.

Double color plastic injection shell to meet IP65 dust-proof and waterproof grade, and can be used in harsh environment.

It includes HART communication and supports a select set of the HART universal and common practice commands

Auto Ramp function with time setting ranging from 5 Secs to 60 Secs

Auto Step Time to set the step interval time in current auto-step output from 5 Secs to 60 Secs

Valve Test Function

Starts or Closes HART Resistance

HART Start functions enables LRV and URV Operations

Current Span to set the step interval in current auto step mode

Auto Power Off

Backlit TFT Display

Data Logging

Provides Output of DC Current, Simulates Transmitters, Low Power Supply

DC Current output

0 - 22mA

Accuracy

±0.01%

Simulation Current

0 to -22mA

Accuracy

±0.01%

Loop Power Supply 24V

Measures Voltage, Current, Loop Power

Voltage Measurement

-2 to 28V

Accuracy

±0.01%

Current Measurement

-4 to 33mA

Accuracy

±0.01%

Loop Current

0 - 20mA

Accuracy

±0.01%



Metravi PM-29

Measures and sources various parameters	
Display	3-3/4 Digits 3999 Counts Backlit LCD
Confirms to IEC 61010	
Data Hold to freeze the displayed data	
Measures	
DC Voltage	0 - 4 / 40 / 400V
Accuracy	±0.2%
DC milli Volt	0 - 40m / 400mV
Accuracy	±0.2%
AC Voltage	0 - 400m / 4 / 40 / 400V
Accuracy	±0.5%
DC Current	0 - 40m / 400mA
Accuracy	±0.2%
AC Current	0 - 40m / 400mA
Accuracy	±0.5%
Resistance	0 - 400/4k/40k/400k/4M/40M.Ω
Accuracy	±0.2%
Frequency	0 - 50/500/5k/50k/100kHz
Accuracy	±0.1%
Temperature through PT-100 Sensor	-200°C to 700°C
Accuracy	±0.5%
Temperature through Cu-50 Sensor	-50°C to 150°C
Accuracy	±0.5%
Temperature through R type Sensor	-40°C to 1760°C
Accuracy	±0.5%
Temperature through S type Sensor	-20°C to 1760°C
Accuracy	±0.5%
Temperature through B type Sensor	400°C to 1800°C
Accuracy	±0.5%
Temperature through E type Sensor	-200°C to 500°C
Accuracy	±0.5%
Temperature through K type Sensor	-200°C to 1370°C Accuracy : ±0.5%
Temperature through J type Sensor	-200°C to 700°C Accuracy : ±0.5%
Temperature through T type Sensor	-200°C to 400°C Accuracy : ±0.5%
Temperature through N type Sensor	-200°C to 1000°C Accuracy : ±0.5%
Diode Test and Continuity Test Facility	
Sources	
Resistance	0 to 400Ω Accuracy : ±0.5%
DC milli Volt	-10 to 100mV Accuracy : ±0.5%
DC Voltage	-0.5 to 5.5V Accuracy: ±0.2%
Frequency	0 - 100/1k/10kHz; Accuracy : ±0.2%
XMT	0 to -20mA Accuracy : ±0.2%
DC Milli Ampere	0 to 22mA Accuracy : ±0.2%
Temperature output for Pt-100 Sensor	-200°C to 850°C Accuracy : ±0.5%
Temperature output for Cu-50 Sensor	-50°C to 150°C Accuracy : ±0.5%
Temperature output for R type Sensor	-40°C to 1760°C Accuracy : ±0.5%



Metravi PM-29 (Contd.)

Temperature output for S type Sensor	-20°C to 1760°C Accuracy : ±0.5%
Temperature output for B type Sensor	-40°C to 1760°C Accuracy : ±0.5%
Temperature output for E type Sensor	-200°C to 1000°C Accuracy : ±0.5%
Temperature output for K type Sensor	-200°C to 1370°C Accuracy : ±0.5%
Temperature output for J type Sensor	-200°C to 200°C Accuracy : ±0.5%
Temperature output for T type Sensor	-200°C to 400°C Accuracy : ±0.5%
Temperature output for N type Sensor	-200°C to 1300°C Accuracy : ±0.5%

Digital SMT Component Tester

Metravi SMT-01

Auto Ranging, Auto Selection SMT Component tester	
Display	6000 Counts LCD Display
Overload and Low Battery Indication	
Auto Power Off	
DC Voltage	0 – 600m / 6 / 50V DC
Accuracy	±0.8%
AC Voltage	0 – 600m / 6 / 50V AC
Accuracy	±1.0%
Resistance	0 – 600 / 6k / 60k / 600k / 6M / 60MΩ
Accuracy	±0.8%
Capacitance	0 – 6n / 60n / 600n / 6μ / 60μ / 600μ / 6m / 60mF
Accuracy	±3.0%
Diode & Continuity Test	
Provided with extended probes for discrete component testing.	



Digital Sound Level Meter

Metravi SL-3010

4 Digits Backlit LCD Display	
Data Hold	
MAX/MIN Record Function	
Fast / Slow Response	
A-Weighting	
Range	30dB to 130dB
Resolution	0.1dB
Accuracy	±1.5dB
Low Battery Indication	
Auto Power Off	
Over-range Indication	
1.5 x 3 AAA Battery Operated	
Confirms to EN61326-1, Pollution Level 2	



Metravi SL-4010

Can be used for both audible sound and machine noise	
Can be used for both A and C weighting	
Max Hold facility	
Measures in both Low range of 30 to 100dB and hi range of 60 to 130dB	
Range	30 - 130 dB
Accuracy	±1.5dB
Resolution	0.1dB
Frequency Response	31.5Hz to 8kHz
Has Fast and Slow response facility	
Meets IEC651 type 2, ANSI S1.4 type 2 standards	



Metravi SL-4005

Can be used for both audible sound and machine noise	
Can be used for both A and C weighting	
Max Hold and Data Hold facility	
Provides Analog AC/DC outputs for the measurement made for connection to an analyzer or recorder	
AC output of 0.65V rms at Full Scale (upper limit of each level)	
DC output of 10mV/dB	
Built-in Self-Calibration check facility at 94dB	
Measures in both Low range of 30 to 100dB and hi range of 60 to 130dB	
Accuracy	±3.5dB
Resolution	0.1dB
Dynamic Range	65dB
Frequency Range	31.5Hz ~ 8kHz
Has Fast and Slow response facility	
Meets IEC651 type 2, ANSI S1.4 type 2 standards	



Metravi SL-4015

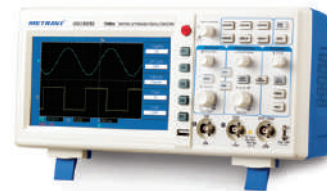
Measures both audible sound and machine noise	
Has both A and C Weighting	
USB PC Interface with software	
Analogue output of AC 1Vrms and DC 10mV/dB for connection to frequency analyzer or X-Y shaft recorder	
Max / Min Data recording	
Data Hold to freeze displayed data	
Display	4 Digits Large LCD with analogue bargraph
Range	30 - 130 dB
Resolution	0.1dB
Dynamic Range	50dB
Accuracy	±1.4dB
Has Lo, Med. and HI measuring modes	
Time Weighting	FAST and SLOW
Frequency Range	31.5Hz to 8kHz
Confirms to IEC61672-1 CLASS2 for Sound Level Meters	



E-Series Digital Storage Oscilloscopes

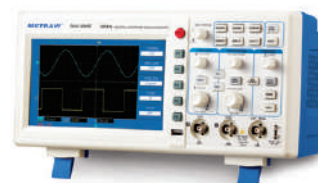
Metravi DSO-5025E

Double Analog Channels High-resolution colorful LCD display with resolution of 400 X 240 (or 800 X 480)	
To support plug and play USB storage instrument to communicate with computer.	
Automatic waveform and status setup. Waveform, setup, bitmap storage, waveform and setup reoccurrence.	
Elaborate view window extension function for delicate analysis of waveform details and profile	
Automatic measurement of 28 kinds of waveform parameters	
Automatic cursor tracing and measurement function	
Unique waveform recording and playback functions	
Embedded FFT	
Multiple mathematical calculation functions (including +, -, X, ÷) for waveform	
Edge, video, pulse width and ALT Trigger functions	
Multi-language menu display	
Bandwidth	25MHz
Sampling Rate	250MSA/Sec.
Storage Depth	25k
Record Length	Sampling Point of 2 x 521k
Vertical Deflection	1mV/div~5V/div



Metravi DSO-5050E

Double Analog Channels High-resolution colorful LCD display with resolution of 400 X 240 (or 800 X 480)	
To support plug and play USB storage instrument to communicate with computer.	
Automatic waveform and status setup. Waveform, setup, bitmap storage, waveform and setup reoccurrence.	
Elaborate view window extension function for delicate analysis of waveform details and profile	
Automatic measurement of 28 kinds of waveform parameters	
Automatic cursor tracing and measurement function	
Unique waveform recording and playback functions	
Embedded FFT	
Multiple mathematical calculation functions (including +, -, X, ÷) for waveform	
Edge, video, pulse width and ALT Trigger functions	
Multi-language menu display	
Bandwidth	50MHz
Sampling Rate	500MSA/Sec.
Storage Depth	25k
Record Length	Sampling Point of 2 x 521k
Vertical Deflection	1mV/div~5V/div



Metravi DSO-5070E

Double Analog Channels High-resolution colorful LCD display with resolution of 400 X 240 (or 800 X 480)

To support plug and play USB storage instrument to communicate with computer.

Automatic waveform and status setup. Waveform, setup, bitmap storage, waveform and setup reoccurrence.

Elaborate view window extension function for delicate analysis of waveform details and profile

Automatic measurement of 28 kinds of waveform parameters

Automatic cursor tracing and measurement function

Unique waveform recording and playback functions

Embedded FFT

Multiple mathematical calculation functions (including +, -, X, ÷) for waveform

Edge, video, pulse width and ALT Trigger functions

Multi-language menu display

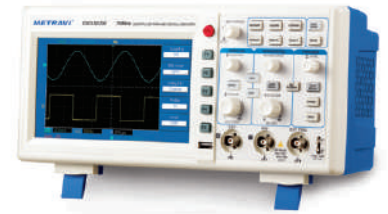
Bandwidth 70MHz

Sampling Range 1GSA/Sec.

Storage Depth 25k

Record Length Sampling Point of 2 x 521k

Vertical Deflection 1mV/div~5V/div



Metravi DSO-5100E

Double Analog Channels High-resolution colorful LCD display with resolution of 400 X 240 (or 800 X 480)

To support plug and play USB storage instrument to communicate with computer.

Automatic waveform and status setup. Waveform, setup, bitmap storage, waveform and setup reoccurrence.

Elaborate view window extension function for delicate analysis of waveform details and profile

Automatic measurement of 28 kinds of waveform parameters

Automatic cursor tracing and measurement function

Unique waveform recording and playback functions

Embedded FFT

Multiple mathematical calculation functions (including +, -, X, ÷) for waveform

Edge, video, pulse width and ALT Trigger functions

Multi-language menu display

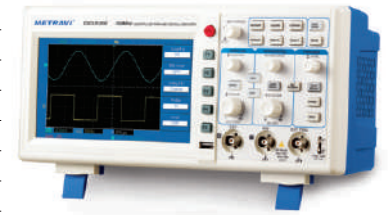
Bandwidth 100MHz

Sampling Range 1GSA/Sec.

Storage Depth 25k

Record Length Sampling Point of 2 x 521k

Vertical Deflection 1mV/div~5V/div



Metravi DSO-5150E

Double Analog Channels High-resolution colorful LCD display with resolution of 400 X 240 (or 800 X 480)

To support plug and play USB storage instrument to communicate with computer.

Automatic waveform and status setup. Waveform, setup, bitmap storage, waveform and setup reoccurrence.

Elaborate view window extension function for delicate analysis of waveform details and profile

Automatic measurement of 28 kinds of waveform parameters

Automatic cursor tracing and measurement function

Unique waveform recording and playback functions

Embedded FFT

Multiple mathematical calculation functions (including +, -, X, ÷) for waveform

Edge, video, pulse width and ALT Trigger functions

Multi-language menu display

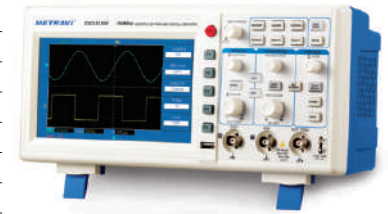
Bandwidth 150MHz

Sampling Range 1GSA/Sec.

Storage Depth 25k

Record Length Sampling Point of 2 x 521k

Vertical Deflection 2mV/div~5V/div



Metravi DSO-5200E

Double Analog Channels High-resolution colorful LCD display with resolution of 400 X 240 (or 800 X 480)

To support plug and play USB storage instrument to communicate with computer.

Automatic waveform and status setup. Waveform, setup, bitmap storage, waveform and setup reoccurrence.

Elaborate view window extension function for delicate analysis of waveform details and profile

Automatic measurement of 28 kinds of waveform parameters

Automatic cursor tracing and measurement function

Unique waveform recording and playback functions

Embedded FFT

Multiple mathematical calculation functions (including +, -, X, ÷) for waveform

Edge, video, pulse width and ALT Trigger functions

Multi-language menu display

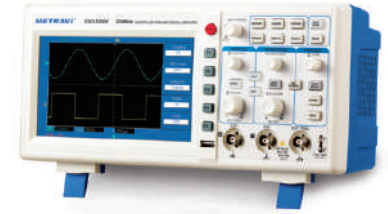
Bandwidth 200MHz

Sampling Range 1GSA/Sec.

Storage Depth 25k

Record Length: Sampling Point of 2 x 521k

Vertical Deflection: 2mV/div~5V/div



Digital Storage Oscilloscope (4 Channel)

Metravi DSO-5074E

70MHz 4 Channel Digital Storage type
Sampling Rate 1GSA/Sec
Memory Depth 56Mpts
Waveform capture Rate 80,000wfms/sec
Vertical Scale: 1mV/Div to 20V/Div
Time Base Scale: 5nS/Div to 50S/Div
Waveform Record: 65,000 Frames
Trigger: Edge, Window, Time Out, Nth Edge, Delay, Duration, Setup/Hold, Pulse Width, Slope, Video Pattern
Bus Code: RS-232/UARD,I2S,SPI
Waveform Operation: A+B, A-B, AxB, A/B, FFT, Logic Operation, Editable Advanced, Filter
With Frequency Counter
Standard Interface: USB-Host, USB-Device, LAN, AUX (Trigger Out, Pass/Fail)



Metravi MSO-5102D

100 MHz bandwidth 1GSA/s Real Time sample rate Large (7.0 - inch) colour display, WVGA (800x480)
2mV to 10V / Div
16 channels Logic Analyzer,
500MSa/s sample rate
Record length up to 1M
Trigger mode : edge/pulse width/line selectable video/slop/overtime etc.
USB host and device connectivity, standard



Multiple automatic measurements Frequency, Period, Mean, Pk-Pk, Cycli RMS, Minimum, Maximum, Rise time, Fall Time, +Pulse Width, -Pulse Width, Delay1-2-Rise, Delay1-2Fall, +Duty, -Duty, Vbase, Vtop, Vmid, Vamp, Overshoot, Preshoot, Period Mean, Period RMS, FOVShoot, RPREShoot, BWIDTH, FRF, FFR, LRR, LRF, LFR, LFF Four math functions, including FFTs standard

Metravi MSO-5062D

60 MHz bandwidth 1GSA/s Real Time sample rate Large (7.0 - inch) colour display, WVGA (800x480)
2mV to 10V / Div
16 channels Logic Analyzer,
500MSa/s sample rate
Record length up to 1M
Trigger mode : edge/pulse width/line selectable video/slop/overtime etc.
USB host and device connectivity, standard



Multiple automatic measurements Frequency, Period, Mean, Pk-Pk, Cycli RMS, Minimum, Maximum, Rise time, Fall Time, +Pulse Width, -Pulse Width, Delay1-2-Rise, Delay1-2Fall, +Duty, -Duty, Vbase, Vtop, Vmid, Vamp, Overshoot, Preshoot, Period Mean, Period RMS, FOVShoot, RPREShoot, BWIDTH, FRF, FFR, LRR, LRF, LFR, LFF Four math functions, including FFTs standard

Metravi DSO-5104E

100MHz 4 Channel Digital Storage type
Sampling Rate 1GSA/Sec
Memory Depth 56Mpts
Waveform capture Rate 80,000wfms/sec
Vertical Scale: 1mV/Div to 20V/Div
Time Base Scale: 5nS/Div to 50S/Div
Waveform Record: 65,000 Frames
Trigger: Edge, Window, Time Out, Nth Edge, Delay, Duration, Setup/Hold, Pulse Width, Slope, Video Pattern
Bus Code: RS-232/UARD,I2S,SPI
Waveform Operation: A+B, A-B, AxB, A/B, FFT, Logic Operation, Editable Advanced, Filter
With Frequency Counter
Standard Interface: USB-Host, USB-Device, LAN, AUX (Trigger Out, Pass/Fail)



Mixed Signal Oscilloscope

Metravi MSO-5202D

200 MHz bandwidth 1GSA/s Real Time sample rate Large (7.0 - inch) colour display, WVGA (800x480)
2mV to 10V / Div
16 channels Logic Analyzer,
500MSa/s sample rate
Record length up to 1M
Trigger mode : edge/pulse width/line selectable video/slop/overtime etc.
USB host and device connectivity, standard
Multiple automatic measurements Frequency, Period, Mean, Pk-Pk, Cycli RMS, Minimum, Maximum, Rise time, Fall Time, +Pulse Width, -Pulse Width, Delay1-2-Rise, Delay1-2Fall, +Duty, -Duty, Vbase, Vtop, Vmid, Vamp, Overshoot, Preshoot, Period Mean, Period RMS, FOVShoot, RPREShoot, BWIDTH, FRF, FFR, LRR, LRF, LFR, LFF Four math functions, including FFTs standard
VGA Optional



Accessories to Digital Storage Oscilloscope

Metravi PD-20S

High Voltage Probe to measure AC/DC High Voltage
Measures upto 30kV DC and 20kV AC
Accuracy ± 1%
Cable Length 1m



Digital Stroboscope

Metravi DT-2350PA

Exclusive One Chip Micro Controller LSI Circuit
Crystal Time base to offer high accuracy
Wide Measuring Range
Display LCD With annunciators
Range 50 to 12,000 FPM
Resolution 0.1 FPM up to 1000FPM else 1FPM
Accuracy ±0.05%
Sampling Rate 0.4 secs
Auxiliary Power Supply 230V AC 50Hz



Metravi DT-2350PB

Exclusive One Chip Micro Controller LSI Circuit	
Crystal Time base to offer high accuracy	
Wide Measuring Range	
Display	LCD With annunciators
Range	50 to 40,000 FPM
Resolution	0.1 FPM up to 1000FPM else 1FPM
Accuracy	±0.05%
Sampling Rate	0.4 secs
Auxiliary Power Supply	230V AC 50Hz



Metravi NCTM-2000

The Digital Tachometer provides fast and accurate Contact and Non-Contact RPM and surface speed measurements of rotating objects.

Wide measure range and high resolution
High visible digital LCD and Backlight display.

40 reading memories :
10 selectable MAX measurements, 10 selectable MIN measurements, 10 selectable AVG measurements, 10 selectable DATA measurements.

Contact Test range	2 to 20,000RPM
Non-Contact Test range	2 to 99,999RPM
Detecting distance	50mm to 500 mm.
9V Battery Operated	



Digital Tachometer

Metravi DT-2235

Last Value, Max Value and Min Value memory	
Exclusive One-chip microcomputer LSI Circuit	
Quartz Crystal Time Base	
Display	5 Digits LCD
Range	60 to 49,999 RPM
Surface Speed	6 to 5000 m/min.
Resolution	0.1RPM up to 1000 RPM thereafter 1 RPM 0.01m/min up to 100m/min thereafter 0.1m/min
Accuracy	±0.05%
Complete with carrying case, RPM Cone Adaptor, RPM Funnel Adaptor, Surface speed test wheel and operation manual	



Metravi NCTM-500

Backlit LCD Display	
Maximum display	99999
Overload Display	
Low Battery Indication	
Refresh Rate 1s ~ 7s	
Data Hold	
Photo Diode and Laser sensor	
Measuring Distance	50 mm ~ 200mm
Drop Test	1m
Battery	1.5V AAA type
Counter with Tachometer	
Confirms to EN61010-1, EN-61010-031, EN61326	
Measures RPM	10 ~ 9999.9 RPM with Resolution of 0.1 RPM
Measures RPM	10000 ~ 99999 RPM with Resolution of 1RPM
Accuracy	±0.04%
Counter Range	0 - 99999



Digital Temperature Controller

Metravi METCAT

Microcontroller based Universal Temperature Controller	
Can be programmed for J, K or RTD Sensor	
User Friendly set up	
Has Single Set Point	
3-1/2 Digit RED LED Display	
Size	96 x 96 mm sq 'OR' 72 x 72 mm sq (Any One)
For J type: 0 - 600°C, For K type: 0 - 1250°C and For RTD (PT-100) 0 - 400°C	
Output	1NO/NC Relay
Auxiliary Power Supply	230V AC 50Hz



Metravi DTC-200

Flush Mounting type	
Sizes	96 x 96 mm sq 'OR' 72 x 72 mm sq
Display	3-1/2 Digits Seven Segment Red LED display
Cold Junction Compensation: Automatic for Thermocouple	
Open Sensor Indication	
Sensor Input	J, K, R, S, T/C, PT-100 RTD, V & 4 - 20mA
Accuracy	J,K 1%; R,S 0.5%; PT-100 RTD 0.2%, mV,V,mA 0.1%
Hysteresis Pot	1 to 10°C for each point for ON- OFF Model
Control Action	ON/OFF or Time Proportional
Control output (options available)	a. 6A or 20A, 1C/O Relay, 230V. b. 12V DC pulse output for SSR for each set point
Single Set Point	
Auxiliary Power Supply	230V Single Phase AC 50Hz
Set Point	Multiple Trimpot for each set point



Metravi NCTM-1000

Provides fast and accurate Non-contact RPM and surface speed measurements of rotating objects	
Uses the CPU technique, photoelectrical technique, and junction laser technique for one instrument combined PHOTO TACHOMETER (RPM&REV)	
Two test modes: rotation speed mode (unit: RPM) & count mode (unit: REV)	
Wide measure range and high resolution	
Display	5 Digital Large Backlit LCD
Built in memory recall Max. Min. and Last Value stored	
RPM Test Range	2 to 99,9999 RPM
Count Range	1 to 99,9999
Accuracy	±0.05% ± 1Digit
Resolution	0.1RPM up to 1000RPM else 1RPM
Detecting Distance	50mm to 500mm



Metravi DTC-202

Flush Mounting type	
Sizes	96 x 96 mm sq 'OR' 72 x 72 mm sq
Display	3-1/2 Digits Seven Segment Red LED display
Cold Junction Compensation: Automatic for Thermocouple	
Open Sensor Indication	
Sensor Input	J, K, R, S, T/C, PT-100 RTD, V & 4 - 20mA
Accuracy	J,K 1%; R,S 0.5%; PT-100 RTD 0.2%, mV,V, mA 0.1%
Hysterisis Pot	1 to 10°C for each point for ON- OFF Model
Control Action	ON/OFF or Time Proportional
Control output (options available)	a. 6A or 20A, 1C/O Relay, 230V. b. 12V DC pulse output for SSR for each set point
Dual Set Point also available	
Auxiliary Power Supply	230V Single Phase AC 50Hz



Metravi HT-3005

Humidity meter with Air and K-type thermocouple thermometer	
Humidity and Air temperature measurement by semiconductor sensor	
Max and Data Hold facility	
Auto Power Off facility	
Selectable °C / °F Scales	
Low Battery Indication	
Display	3-1/2 Digits 1999 Counts Backlit Dual
Extra Large LCD	
Semiconductor Sensor Temperature range	0° to 40°C
K type thermometer Temperature Range	-20° to 1000°C / -4° to 1932°F
Resolution	0.1° (up to 200°) else 1°
Accuracy	±3%
Relative Humidity Range	0.1%RH -100%RH
Resolution	0.1%RH
Accuracy	±3.5%
Confirms to CE	



Digital Temperature & Humidity Meter

Metravi HT-305

3-1/2 Digits Backlit LCD Dual Display,	
Measures Temperature in Celsius and Fahrenheit scales	
Range	-10 to 60° C
Resolution	0.1
Accuracy	1.0° C
Relative Humidity	0 to 100% RH
Resolution	0.1%RH
Accuracy	±5%RH
Data Hold	
MAX/MIN Record Function	
Auto Power Off	
Over-range Indication	
1.5 x 3 AAA Battery Operated	
Confirms to EN61326-1, Pollution Level 2	



Metravi HT-3004CT

Humidity meter with Air and Infra Red temperature measurement facility	
Humidity and Air temperature measurement by semiconductor probe	
Max and Data Hold facility	
Auto Power Off facility	
Infra Red Thermometer with laser pointer	
Selectable °C / °F Scales	
Low Battery Indication	
Display	3-1/2 Digits 1999 Digits Dual Backlit Extra Large LCD
Semiconductor Sensor Temperature range	-20° to 60°C
Accuracy	±2°C
Temperature Range for Infra Red Thermometer	-50° to 500°C / -58°F to 932°F
Resolution	0.1° (up to 200°) else 1°
Accuracy	±2.0%
Distance to Sighting Ratio	8:1
Emissivity	0.95 Fixed
Relative Humidity Range	5%RH -95%RH
Resolution	0.1%RH
Accuracy	±3.5%RH
Confirms to CE	



Metravi HT-305A

Precise Temperature & Humidity Sensor	
Split type Design with extendable spring cable for convenient measurement	
Backlit LCD Display	
Auto Power Off	
Data Hold	
MAX / MIN Value	
Lower Power Indication	
Temperature Scale Selection between °C / °F	
Temperature	-10 to 60°C
Accuracy	±1°C
Relative Humidity	0 ~ 100% RH
Accuracy	±5%RH
Battery Operated	



Metravi HT-3006

Compact probe size Hygro-Thermometer with Dew Point and Wet Bulb Temperature	
Fast Response time	
Auto Power Off	
High Accuracy and High on performance	
Max / Min Hold and Data Hold Function	
Selectable °C / °F Scales	
Display	4 Digits Backlit Dual LCD
Relative Humidity Range	0 to 100% RH
Resolution	0.01%RH
Accuracy	±2%RH
Due Point Temperature Range	-30° to 100°C / -22° to 199°F
Resolution	0.01°



Metravi HT-3006 (Contd.)

Accuracy Dew Point	±0.5° / 0.9°F
Temperature Range	-30° to 100°C / -22° to 199°F
Resolution	0.01°
Accuracy	±0.5°C / 0.9°F
Wet Bulb Temperature Range	0 to 80°C / 32° to 176°F
Resolution	0.01°
Accuracy	±0.5° / 0.9°F

Metravi HTC-01

Displays Temperature, Humidity & Time Simultaneously	
Memory for Max & Min values	
12 Hour / 24 Hour Time format	
°C/°F unit selectable	
Alarm Function	
Clock & Calendar function	
Desk Tope Placing or Wall Hanging	
Large LCD Display	
Temperature Rage	-50 °C TO 70°C
Accuracy	±1°C
Humidity Range	20% to 90%
Accuracy	±5%RH



Metravi TH-04

Environment comfort display	COMFORT(comfortable),WET (highhumidity), DRY (dobath)
Temperature measuring range	0°C-50°C (32°F-120°F)
Accuracy	±1.0°C (1.8°F)
Humidity measuring range	10%RH - 90%RH
Accuracy	±5%
Time/Temperature/Humidity display	
°C/°F unit selectable	
Highest & Lowest temperature humidity memory function	
Daily alarm functions 12/24 hours clock	



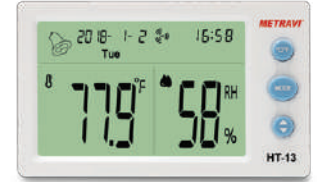
Metravi HT-12

Indoor Temperature/Humidity testing, along with outdoor temperature testing simultaneously	
Records MIN/MAX values of Temperature/Humidity n °C/°F unit selectable Clock:12/24 hour format selectable Alarm clock : Alarm time up to 60 seconds	
Comfort level indication	
Temperature	-10 ~ 50°C
Accuracy	± 1°C
Humidity	20 ~ 95%RH
Accuracy	± 5%RH



Metravi HT-13

Temperature/humidity °C/°F unit selectable Time clock : YYYY-MM-DD-Week-Time (12/24 selectable)	
On time alarm	
Alarm clock	
Records MIN/MAX values of Temperature/Humidity n °C/°F unit selectable Clock: 12/24 hour format selectable Alarm clock : Alarm time up to 60 seconds	
Comfort level indication	
Temperature	-10 ~ 50°C
Accuracy	± 1°C
Humidity	20 ~ 95%RH
Accuracy	± 5%RH



Digital Temperature Indicator

Metravi DTI-101

Flush Mounting type	
Sizes	96 x 96 mm sq 'OR' 72 x 72 mm sq 'OR' 96 x 48 mm sq
Display	3-1/2 Digits Seven Segment
Red LED display	
Cold Junction	
Compensation Automatic for Thermocouple	
Open Sensor Indication	
Sensor Input	J, K, R, S, T/C, PT-100 RTD, V & 4 - 20mA
Accuracy	J,K 1%; R,S 0.5%; PT-100 RTD 0.2%, mV,V,mA 0.1%
Auxiliary Power Supply	230V Single Phase AC 50Hz.



Metravi DTI-101-M

Flush Mounting type	
Used to measure Multi-Point temperature	
Sizes	96 x 96 mm sq
Display	3-1/2 Digits Seven Segment
Red LED display	
Cold Junction Compensation	Automatic for Thermocouple
Open Sensor Indication	
Sensor Input	J, K, R, S, T/C, PT-100 RTD, V & 4 - 20mA
Accuracy	J,K 1%; R,S 0.5%; PT-100 RTD 0.2%, mV,V,mA 0.1%
Number of Sensor Inputs	6 - 12 points (Any One) by Rotary Switch
Auxiliary Power Supply	230V Single Phase AC 50Hz.



Digital Thermometer

Metravi DTM-903

Wide Temperature Range
High Accuracy
Selectable Thermocouple between K / J type
MAX / MIN / AVG Recording
Data Hold to Freeze Displayed Data
Backlit Display
Measures with 0.1°C
Measures Temperature from -50 to 1300°C using K-type Sensor
Measures Temperature from -50 to 1200°C using J-type Sensor
Accuracy ±0.5%



Metravi DTM-900

CE-Mark Approval
Large Backlit LCD Display
Relative Time clock on Max Min and AVG provides a time reference for major events
Electronic Offset function
Temperature Readout in °C, °F or Kelvin
Auto Power Off
Range K -200°C to 1372°C (-328°F to 2501°F)
Accuracy ±0.15%
Selectable Thermocouple K / J
Range J -210°C to 1100°C (-346°F to 2012°F)



Metravi DTM-100

Hand Held Battery Operated
Is used to measure temperature using PT-100 RTD Sensor
Measures temperature up 600°C
Accuracy ±1.5%
9V Battery Operated



Metravi DTM-901

CE-Mark Approval
Two Thermocouple Inputs.
Can measure temperature of two places at the same time,
Differential Temperature Can also be measured between two points
Large Backlit LCD Display
Relative Time clock on Max Min and AVG provides a time reference for major events
Electronic Offset function
Temperature Readout in °C, °F or Kelvin
Auto Power Off
Range -200°C to 1372°C (-328°F to 2501°F)
Accuracy ±0.15%
Selectable Thermocouple K / J
Range J -210°C to 1100°C (-346°F to 2012°F)



Metravi DTM-902

Pen type Digital Thermometer
Max / Min Temperature record
Auto Power Off
°C / °F Range selectable
Waterproof instrument
Data Hold to Freeze displayed Data
Display 3-1/2 Digits 1999 Counts LCD
Range -40° to 250°C / -40°F to 482°F
Resolution 0.1°C / 0.1°F
Accuracy ±1.5%



Metravi ST-9283B

Thermometer with High and Low Alarms
Built-in 110mm stainless steel sensor
1 second normal temperature sensing time
Low Battery Indication
Data Hold Function
Temperature can be measured in °C and °F
Range -50 to 300°C / -58°F to 572°F
Accuracy ±1°C
Resolution 0.1°C / 0.2°F
Low Battery Indication



Digital Three Phase Ammeter

Metravi CE-03A

Designed using microprocessor based multiplexing technique
Can sense any changes in the line currents
These are CT Operated meters and are factory set either 1A or 5A CT Secondary
Displays phase currents for a three phase system
Size 96 x 96 mm sq,
3-1/2 Digits Red LED Display
With built-in selector switch
Measures I _r , I _y , I _b
Accuracy ±1% of full scale
Current Input 7A Max continuous at any current terminal



Digital Three Phase Voltmeter

Metravi CE-03V

Designed using microprocessor based multiplexing technique
Can sense any changes in the line voltage
Displays line to line voltages for a three phase system
Size 96 x 96 mm sq,
3-1/2 Digits Red LED Display
With built-in selector switch
Measures V _{r-y} , V _{r-b} , V _{b-y}
Accuracy ±1% of full scale
Voltage Input 500V Max phase to phase at any voltage terminal



Digital Time Interval Meter

Metravi NTT-4D

Suitable to test protective device, circuit breaker, tripping coils, relays etc.	
Input	230V Single Phase AC 50Hz.
Number of Channel	One
Display of each channel	7 segment LED type, 4 digits
Ranges	A. 0 - 999.9mSec Resolution 100uSec
	B. 0 - 9.999 Sec. Resolution 1mSec
	C. 0 - 99.99 Sec. Resolution 10mSec
Time Start Mode	Simultaneously starts by injection of 20V to 240V AC/DC or by potential Free Contact
Time Stop Mode	Individual stop of timer counting with excitation of auxiliary contacts of relay or switchgear under test.



Metravi NTT-3CH-4D

Suitable to test protective device, circuit breaker, tripping coils, relays etc.	
Input	230V Single Phase AC 50Hz.
Number of Channel	THREE
Display of each channel	7 segment LED type, 4 digits
Ranges	A. 0 - 99.99mSec Resolution 10uSec
	B. 0 - 999.9mSec. Resolution 100uSec
	C. 0 - 9.999mSec. Resolution 1mSec
Time Start Mode	Simultaneously 3 channel starts by injection of 20V to 240V AC/DC or by potential Free Contact
Time Stop Mode	Individual stop of timer counting with excitation of auxiliary contacts of relay or switchgear under test.



Digital VA Meter

Metravi CE-030XVA

Microprocessor based 3 phase VA measurement.	
Available in 96 * 96 mm Bezel Size.	
Meters can be factory set for different CT/PT ratios to give a direct reading.	
Meters are autoranging from KVA to MVA.	
Available for 415V(LT) and 110 V(HT) systems and for 1 Amp and 5 Amp CT secondary.	
Auxiliary Power Supply	230V AC 50Hz / 110V AC 50Hz.



Digital VAR Meter

Metravi CE-030XVAR

Microprocessor based 3 phase VAR measurement.	
Available in 96 * 96 mm Bezel Size.	
Meters can be factory set for different CT/PT ratios to give a direct reading.	
Meters are autoranging from KVAR to MVAR.	
Available for 415V(LT) and 110 V(HT) systems and for 1 Amp and 5 Amp CT secondary.	
Auxiliary Power Supply 230V AC 50Hz / 110V AC 50Hz.	
In the model number X could be 3 for 3 wire loads and 4 for 4 wire loads	



Digital Voltage Controller

Metravi CE-0102VC1SP

Size	96 x 96 mm. sq.
Display	3-1/2 Digits
Would measure AC Voltage.	
Single Set Point	
Range	Any Single Range up to 1000V for direct input to the meter 'or' KV rating through a PT input can be made available.
Can set single set point to activate a relay.	
Potential free 1 NO+ 1NC Contact	
Auxiliary Power Supply	230V AC 50Hz / 110V AC 50Hz / DC Auxiliary inputs also available
At the time of placing the order, please inform the Voltage range, PTR value (if the input is through a PT), auxiliary power supply	



Metravi CE-0102VC2SP

Size	96 x 96 mm. sq.
Display	3-1/2 Digits
Would measure AC Voltage.	
Two Set Point	
Range:	Any Single Range up to 1000V for direct input to the meter 'or' KV rating through a PT input can be made available.
Can set single set point to activate a relay.	
Potential free 2 NO+ 2NC Contact	
Auxiliary Power Supply:	230V AC 50Hz / 110V AC 50Hz / DC Auxiliary inputs also available
At the time of placing the order, please inform the Voltage range, PTR value (if the input is through a PT), auxiliary power supply	



Digital Voltmeter

Metravi CE-0102V

Size	96 x 96 mm. sq. / 72 x 72 mm sq / 96 x 48 mm sq
Display	3-1/2 Digits 'or' 4-1/2 Digits LED Display
Voltmeters for measuring AC voltages.	
Range:	Any Single Range up to 1000V for direct input to the meter 'or' KV rating through a PT input can be made available.
Auxiliary Power Supply	230V AC 50Hz / 110V AC 50Hz / DC Auxiliary inputs also available
At the time of placing the order, please inform the Voltage range, PTR value (if the input is through a PT), auxiliary power supply, size, 3-1/2 digits / 4-1/2 digits display needs to be mentioned.	



Digital Wattmeter

MetraVi CE-0Y0XW

Digital Watt Meter

Microprocessor based 3 phase and single phase Power Factor measurement.

Available in 96 * 96 mm Bezel Size for three phase and single phase meters and 96 * 48mm for single phase meters.

Meters can be factory set for different CT/PT ratios to give a direct reading.

Three phase meters display individual phase values and also system values.

Available for 415V(LT) and 110 V(HT) systems and for 1 Amp and 5 Amp CT secondary.

Auxiliary Power Supply: 230V AC 50Hz / 110V AC 50Hz

In the Model number Y could be 3 for 3 phase and 1 for single phase and X could be 2 for 2 wire loads, 3 for 3 wire loads and 4 for 4 wire loads



Distance Meter

MetraVi DM-09

Measures in imperial / metric units

Start Point Selection

Data Store / Recall

Computes Areas and Volumes

5 Groups of values in memory

Sum of lengths

Auto / Manual shut off

Backlit LCD

Audio warning for wrong readings

Measuring Range 0.5 – 16m (1.64 – 52.48ft)

Accuracy: $\pm 1.0\%$



ELCB Tester

MetraVi 1810D

2000mS readout for testing latest delay action breakers

Fully programmed operation

Accurate digital read out of tripping time

Two LED lamps give quick check for correct wiring

Operates from mains supply. No need for batteries

Compact, lightweight and simple to operate

Trip Current Settings: 5mA, 10mA, 30mA, 100mA, 300mA and 500mA

Operational Voltage: 230V AC $\pm 10\%$ 50/60Hz

Zero cross circuitry permits testing at 0° and 180° portion of sine wave. At these two tests minimum (best) and maximum (worst) trip times will be displayed

Data hold function to freeze the digital trip time display allows for easy readout and eliminates the possibility of reading error



MetraVi 1811

Intelligent microprocessor chip control : High accuracy, reliability and stability

RCD/ELCB Test Wiring Check

Phase angle selection : The RCD test can be selected to start from a positive (0°) or a negative (180°) half cycle

Contact voltage alarm : When the contact voltage is larger than the selected limit value during the RCD test, the RCD test will be stopped

Auto data hold : After RCD test, the measurement results are kept displayed

Over range indication

AUTO RAMP test

Battery powered 1.5V AA alkaline battery (6 pcs).

Auto Power Off function : The instrument will be power off automatically after no operation for 5 minutes

Fuse safeguard Double or reinforced Insulation for safe design Backlight function LINE-NEUTRAL voltage measurement LINE-PHASE-EARTH voltage measurement : Display L-PE input voltage n Frequency measurement

Trip Current Setting 10/20/30/100/300/500mA

Voltage Measurement 30V ~ 600V



MetraVi 1812EL

Extra Large Liquid Crystal Display.

Very low consumption.

Microprocessor controlled.

Accurate digital readout of disconnection time.

Automatic data hold function.

Zero crossing circuitry permit testing at 00 or 1800.

Disconnection phase polarity shown on L.C.D. display.

Auto-off and off override.

Polarity trip indicator (Positive or Negative phase)

Wiring polarity indicator.

Measure voltage between Line and Earth before testing. Current Settings 10mA, 20mA,30mA, 200mA,300mA, 500mA.

Phase Start Selection: 0° and 180°

Over-Temperature Protection, Wiring Correctness Indication , Trip Indicator , Phase Polarity Trip Indicator

Voltmeter (L-E) 20Vac- 280Vac

Timer Resolution 1mS (max time = 2.999S)

Timer Accuracy $\pm 2\%$ rdg $\pm 2mS$

Current Accuracy $\pm 5\%$ $\pm 1mA$

Voltmeter Resolution 1Vac

Voltmeter Accuracy $\pm 2\%$ $\pm 1Vac$



Electrical Tester

MetraVi AC-1

Non Contact Detection of AC Voltage

Used to detect live cables from 90V and 1000V

Indication is both visual and audio

Buzzer sound and light is produced when the cable is live

Confirms to IEC-1010 and IP-54

Battery Operated



Metravi AC-4

- Non Contact Detection of AC Voltage
- Easy to use just bring it near a power outlet or cord and when it glows red you know the line is live
- Fits in shirt pocket for convenience
- All outer surfaces is non-conductive for safety
- Detects voltage without metallic contact
- Rugged, double molded body
- Built-in flashlight with ON/OFF switch for convenience of use on dark areas
- For use on 50/60Hz circuits
- Operating Voltage range is 100 - 600V AC
- Confirms to CAT-III 1000V
- Used to find break in a wire or detect the presence of Voltage at outlets, lighting fixtures, circuit breakers, wire and cables



Metravi AC-5

- Non Contact Detection of AC Voltage
- Easy to use just bring it near a power outlet or cord and when it glows red you know the line is live
- Fits in shirt pocket for convenience
- All outer surfaces is non-conductive for safety
- Detects voltage without metallic contact
- Rugged, double molded body
- Built-in flashlight with ON/OFF switch for convenience of use on dark areas
- For use on 50/60Hz circuits
- Operating Voltage range is 200 - 1000V AC
- Confirms to CAT-III 1000V
- With beeper sound indicating presence of live wires
- Used to find break in a wire or detect the presence of Voltage at outlets, lighting fixtures, circuit breakers, wire and cables



Metravi AC-6

- Socket Polarity and Earth Leakage Tester
- Tests Three Wire 220V AC outlets and Earth Leakage Circuit Breakers
- Power Supply : From Unit Under Test
- Confirms to CAT III 600V
- Electrical Safety : IEC 61010/EN 61010; IEC 61557-7/EN 61557-7
- Indicates the following Status : No Earth, Line Neutral Reversal, No Neutral, Line Earth Reversal, No Line



Metravi AC-7

- Phase Rotation Indicator
- Large LCD Display
- Three Phase Indication
- No Battery Required
- Nominal Voltage : 40V to 690V AC
- Frequency Range : 15 to 400Hz
- Power Supply : From Unit Under Test
- Electrical Safety : IEC 61010/EN 61010; IEC 61557-7/EN 61557-7
- Protection Level CAT III 600V, IP40



Metravi AC-8

- Microprocessor Based Hand Held
- Self Powered instrument
- Indicates Phase Sequence
- Also can measure AC Voltage and Frequency
- Phase Sequence determined as ABC or ACB
- AC Voltage Range 50 – 550V
- Accuracy ±3%
- Frequency 20 – 400Hz
- Accuracy ±2%



EMF Tester

Metravi EMF-823

- Display 3-1/2 digits LCD, maximum reading 1999.
- Range 200/2000 mG, 20/200µT.
- Resolution 0.1/1 mG or 0.01/0.1 µT.
- Frequency response 30Hz to 300Hz.
- Sensor Single Axis
- Accuracy ±(2.5%±6dgt) at 50Hz/60Hz.
- Over load Indication
- Battery 9V



Event Counter

Metravi RI-49

- Display 6 Digits Red LED Display
- Range 1 to 999999 Counts
 - a. Proximity Switches (PNP/NPN)
 - b. Potential Free Contact
- Count Input
 - c. 5 to 30V DC Voltage Pulse
 - d. 230V AC Mains Pulse (Count Input) (Optional)
- Counting Speed 0 to 3 / 30 / 100 / 1000 / 2500Hz (Programmable)
- Sensor Voltage 12V DC 30mA Max.
- Control Input Hold (Optional)
- Reset Front Reset / Remote Reset (Programmable)
- Memory Retention Non Volatile (E2 PROM) upto 10 years
- Auxiliary Power Supply 90V to 270V AC 50Hz / 60Hz.



Forehead Infra Red Thermometer

Metravi FIR-1

- Non Contact Forehead IR Thermometer
- User Selectable °C / °F
- Selectable Body and Surface Temperature
- Alarm Function
- Memorizes last 32 measurements
- Auto Data Hold
- Auto Power Off
- Confirms to CE0137, FCC Standards
- Measures in the range of 32.0 to 42.5°C (90 to 108°F)
- Accuracy ±0.3°C / ±0.54°F
- Battery Operated



Frequency Transducer

MetraVil CE-0102FT

Input and outputs are Isolated	
Type	DIN RAIL Mounting
AC Input	0 - 3.5, 110, 230,300, 440, 500V, Through PT for Higher Voltages (Any One) DC
Output	Current(mA) : 4-20 Voltage (V) : 0- 10 As per Scale (Other Voltage and current outputs available on request) Single Output is standardDual Output available on request
Auxiliary	Self Powered
Accuracy	Standard : $\pm 0.5\%$ of Span



MetraVil FG-5000

Frequency of the mode	0.5Hz - 5MHz
Output waveform	Sine, Triangle, Square, \pm Ramp, \pm Pulse
TTL/CMOS and OUTPUT synchronous output	
Voltage Control Frequency (VCF) Capacity	
Less than 1% distortion at 10Hz - 100 KHz	
Less than 0.5dB frequency response at 0.1Hz - 100 KHz	
Frequency Counter	0.5Hz - 5MHz
Amplitude	Not less than 20V p - p (open circuit)
DC Voltage	0 - ± 10 V continuously adjustable



Function Generator

MetraVil FG-1000

Frequency of the mode	0.1Hz - 1MHz
Output waveform	Sine, Triangle, Square, \pm Ramp, \pm Pulse
TTL/CMOS and OUTPUT synchronous output	
Voltage Control Frequency (VCF) Capacity	
Less than 1% distortion at 10Hz - 100 KHz	
Less than 0.5dB frequency response at 0.1Hz - 100 KHz	
Frequency Counter	1Hz - 30MHz
Amplitude	Not less than 20V p - p (open circuit)
DC Voltage	0 - ± 10 V continuously adjustable



MetraVil FG-10000

Frequency of the mode	0.1Hz - 10MHz
Output waveform	Sine, Triangle, Square, \pm Ramp, \pm Pulse
TTL/CMOS and OUTPUT synchronous output	
Voltage Control Frequency (VCF) Capacity	
Less than 1% distortion at 10Hz - 100 KHz	
Less than 0.5dB frequency response at 0.1Hz - 100 KHz	
Frequency Counter	1Hz - 10MHz
Amplitude	Not less than 20V p - p (open circuit)
DC Voltage	0 - ± 10 V continuously adjustable



MetraVil FG-2000

Frequency of the mode	0.1Hz - 2MHz
Output waveform	Sine, Triangle, Square, \pm Ramp, \pm Pulse
TTL/CMOS and OUTPUT synchronous output	
Voltage Control Frequency (VCF) Capacity	
Less than 1% distortion at 10Hz - 100 KHz	
Less than 0.5dB frequency response at 0.1Hz - 100 KHz	
Frequency Counter	1Hz - 30MHz
Amplitude	Not less than 20V p - p (open circuit)
DC Voltage	0 - ± 10 V continuously adjustable



MetraVil FG-20000

Frequency of the mode	0.2Hz to 20MHz
Digital Function Generator and counter function	
Built-in linearity / log sweep function	
All terminals have the function of short circuit protection and prevent input voltage protection function	
Outer connect FM and VCF input	
Metal shell has electromagnetic compatibility, smart outline	
Output Voltage and Frequency display	
Frequency find adjustment makes measurement more accurate	
Touch switch light, indicate board function	
Two Channel function signal can be used	



High Voltage Detector

Metravi 276HD

- Detects the presence of voltage in AC Lines.
- Can be extended in length from 354mm to 1005mm
- Used to detect High Voltage up to 24kV
- Waterproof
- Can also be used to detect low voltage up to 600V
- Has both visual and audible indication

Metravi 276SHD

- Detects the presence of voltage in AC Lines.
- Can be extended in length from 230mm to 880mm
- Used to detect High Voltage up to 24kV
- Waterproof
- Can also be used to detect low voltage up to 600V
- Has both visual and audible indication

Metravi 290HD

- Detects High and Extra High Voltage
- Elongated insulation rod permits checking of high tension circuits at safe distance
- Light weight, Easy to use and Handy
- Can be extended from 1370mm to 2450mm
- Detects presence of Voltage from 3kV to 81.5kV
- Water Proof
- Confirms to IEC/EN 61243-1, 60068-2-14, 60068-2-32
- Battery Operated

Metravi 275HP

- High Voltage Proximity Detector (Non Contact type)
- Has an Eight Voltage Detection setting from 240V AC to 275kV AC.
- Consists of an internal pickup sensor plate, sensitivity selector.
- Has a visual and audible indication
- Can be used with HOT STICK to increase the length.
- "O" Ring Sealed Body
- Self Check facility
- Battery Operated.

Metravi 277HP

- Ideal tool for checking the presence of AC High Voltages and AC Low Voltages in cables, wall outlet, fuses etc.
- Non Contact Voltage Detection from 50V to 132kV
- Self Check Facility
- Can be used with HOT STICK to increase the length
- Can be used for Low Voltage 50 V ~ 1.5kV
- Also can be used for High Voltage 1.5kV ~ 132kV



Hot Line Indicator

- Hot Neon Indicator to check Live Cable
- Detects up to 33kV by means of tube
- Rated Voltage (Max.) 33kV
- Minimum Voltage for Glow: 500V
- Audible Alarm Option available
- Available in 6.6kV, 11kV and 33kV

Hour Meter

Metravi HM-01

- Counting Range 99999.99 Hours
- Panel Flush Mounting
- Size 52 x 52 mm sq
- Standard Voltage 220V / 110V AC (Any One)
- Temperature Range -20 to 65°C



Metravi NE 045/7S DC

- Counting Range 99999.99 Hours
- Panel Flush Mounting
- Panel Cutout 46 x 46 mm sq
- Standard Voltage 10 – 48 V DC
- Temperature Range -20 to 65°C



Infra Red Temperature Calibrator

Metravi BB-550

- Black Body is used to calibrate infra red thermometers
- Easily certify infra red thermometers up to 500°C (932°F)
- RTD Reference Well for high precision
- Small compact design
- Temperature Range 50°C ~ 500°C (122°F ~ 932°F)
- Accuracy ±0.8°C @ 100°C (±1.0°F @ 212°F)
±2.8°C @ 500°C (±1.4°F @ 932°F)
- Stability ±0.1°C @ 100°C (±0.2°F @ 212°F)
±0.4°C @ 500°C (±0.5°F @ 932°F)
- Target Emissivity 0.95
- Resolution 0.1°C /0.1°F
- Heating Time 30 minutes to max
- Cooling Time 30 minutes to 100 °C (122°F)
- Aperture Diameter 58mm
- Power 220VAC(±10%), 1.25A / 110VAC(±10%),2.5A



Insulation Tester

Metravi IT-500

Light Weight Easy to Operate	
LED for indicating output ON or OFF	
Insulation Resistance Range	0 - 1000 MΩ
Insulation Resistance test Voltage	500V
AC Voltage	0 - 600V AC
Used for Insulation test for general equipment and electronic components.	
Internal Battery Check Facility	



Metravi IT-1000

Light Weight Easy to Operate	
LED for indicating output ON or OFF	
Insulation Resistance Range	0 - 2000 MΩ
Insulation Resistance test Voltage	1000V
AC Voltage	0 - 600V AC
Used for Insulation test for high power equipment, general equipment and electronic components.	
Internal Battery Check Facility	



Kelvin Double Bridge

Metravi KDBR

Suitable for the use of wires and cable manufacturers and Transformer industry	
Extensively used for finding the resistance of transformer winding, contact resistance of relays etc.	
Measures in the range of 0.2 Micro ohms to 11 Ohms	
Measurement Ranges	2 Milliohms to 11 Ohms, 0.2 Milli Ohms to 1.1 Ohms, 20 Micro Ohms to 11 Ohms, 2 Micro Ohms to 0.11 Ohms and 0.2 Micro Ohms to 0.0011 Ohms
Max Current	10A intermittent and 5A continuous
Accuracy	± 0.05%
Battery Reversing Switch provided to reverse the current in the bridge to eliminate thermal effect	
Complete with Spot Reflecting Galvanometer, Heavy Duty DC Current Source, Conductivity Attachment	



Technical Specifications & Appearance are subject to change without prior notice

Laser Distance Meter

Metravi LDM-40H

Range	0.05 to 40m (0.15 to 131.2 ft)
Accuracy	± 1.5mm
Measures in m, in, ft	
Indirect measurement using Pythagoras	
Addition / Subtraction	
Area and Volume Calculation	
Min / Max distance tracking	
Continuous measurement	
Beep Indication	
Illuminated display with multi-line display	
IP-54 Protection	
Records 20 data	
Auto Power Off	



Metravi LDM-100H

Range	0.05 to 100m (0.15 to 328 ft)
Accuracy	± 1.5mm
Measures in m, in, ft	
Indirect measurement using Pythagoras	
Addition / Subtraction	
Area and Volume Calculation	
Min / Max distance tracking	
Continuous measurement	
Beep Indication	
Illuminated display with multi-line display	
IP-54 Protection	
Records 20 data	
Auto Power Off	



Logic Probe Cum Pulsar

Metravi CHY-625

Useful tool for inspecting and repairing logic circuits	
Used directly to inject a signal into the logic circuits without removing the IC or breaking the circuits.	
The output is changeable between 0.5 to 400Hz, making it suitable for use with either a logic probe or with an oscilloscope	
Pulse Width	10ms
Maximum Input Signal Frequency	50MHz
Input Impedance	120K.Ω
Power Supply Range	5 - 15 V DC



Metal Detector

Metravi MD-300

Simple operation, compact design, easy to store, low failure rate.

Sensitivity is very easy to detect the size of a pin (or even less), metal items.

Has the Low battery indication

Very Cost Effective and stylish product

Audio as well as Vibration Alert

Battery Operated

Light Weight

Detection Distance Pin – 35mm, Handgun – 120mm, US25 Cents 50mm.



Metravi SUPER-V Scanner

Ultimate sensitivity: detects medium sized pistol from 9" distance; large knife from 6"; razor blades and box cutters from 3" distance; foil-wrapped drugs and tiny jewelry from 1".

Self-calibrating: digital microprocessor technology eliminates the need for periodic sensitivity adjustments.

Rugged, high-impact ABS case with reinforced coil compartment. Exceeds Mil-Std-810F (drop test) Method 516.5, procedures II and IV.

Large 8" scan surface for quick, thorough scanning.

No tools required to change standard 9V battery (included). Optional rechargeable battery kit available.

Sharp audible alarm and bright red LED indicates the detection of metal.

Momentary push button helps temporarily eliminate detection of nearby ambient metal such as rebar, metal walls.

Audio as well as Vibration Alert

Battery Operated

Light Weight



Million Megohms Meter

Metravi MMM-01

Ideal for measuring high resistance and insulation

Output Test Voltage 100V / 200V / 300V / 400V / 500V

It has a measuring range of 1 MOhm to 10 Million M.Ohms

Insulation Resistance Range available in 6 ranges.

Accuracy ±5%

Overload Protection

Visual warning for HT link

Analogue Display

Auxiliary Power Supply 220V AC



Motor Checker

Metravi MC-22

Provides a fast and easy means to detect electrical faults- short circuits, open circuits, damaged insulation etc. - in motors and other three phase machine

Used on stationary motors

It measures insulation resistance in the range of; 0 - 20 M ohms at 500 V DC, 0.25 mA Max.

Resistance measuring range : 0 - 60Ω (0 - 0.2 ohms in Range 6)

Inductance measuring range : 0 - 300 mH (0 - 1 mH in Range 6)

Battery Test: Condition of batteries indicated on meter

Battery operated



Metravi MC-22D

Micro Controller based diagnostic tool for Electrical Engineers

Identifies Open and Short Circuits / Loose Connections In a winding coil

Detect Rotor Bar problems without dismounting the motor

Display: LCD

Insulation Resistance: 0 - 20MΩ at 500V DC

Resistance Test: 0 - 200Ω/20Ω/2Ω/200mΩ

Inductance Test: 0 - 2000m/200m/20m/2mH

Low Battery indication



Metravi MC-38D

Micro Controller Based Diagnostic Tool for Electrical Engineers

Insulation Resistance, Resistance, Inductance measurement

Identifies Open and Short Circuits / Lose Connections in a winding coil

Identify inter turn shorts

Shock Proof Rubber Body

Insulation Resistance 200MΩ @ 500V and 2000MΩ @ 1000V

Accuracy ±2%

Resistance 0 – 200m / 2 / 20 / 200Ω

Accuracy ±1%

Inductance 0 – 2m / 20m / 200m / 2mH

Accuracy ±1.5%

Battery Operated



Multifunction Environment Meter

Metravi ET-3

6-in-1 digital instrument

Combines Sound Level Meter, Light Meter, Humidity Meter, Temperature Meter, Non Contact Voltage Detector and Digital Multimeter

600V AC/DC Protection on all ranges.

Fully Protected instrument

Data Hold and Relative Measurements

Display: 3-4/5 Digits Backlit LCD

Overload and Low Battery Indication

14 Functions measure Sound level, Light, Humidity, and Temperature, DC Voltage, AC Voltage, DC Current, AC Current, Resistance, Diode and Continuity test.

3-4/5 Digital large LCD display with units of Lux, °C, %RH and dB indication.

Easy to use with single function switch operating, pocket size and light weight.

Sound level measures from 35dB to 100dB for C weighting checking with 0.1dB resolution.

Light measuring levers ranging from 1Lux to 40,000 Lux.

Humidity measurement from 30% RH to 90% RH with 1% RH resolution and fast time response

Temperature: -20°C to 750°C / -4°F to 1382°F

Frequency up to 5H/50/500/5k/50/500/10MHz

DC Voltage 400m/4/40/400/600V Accuracy ±1%

AC Voltage 400m/4/40/400/600V Accuracy ±1%

DC Current 400u/4000/400m/10A Accuracy ±1%

AC Current 400u/4000/400m/10A Accuracy ±1%

Resistance 400/4k/40/400/4M/40MΩ

Capacitance 50nF/500/5uF/50/100uF



Metravi DTI-101M 12CH

Flush Mounting type

Used to measure Multi-Point temperature

Sizes 96 x 96 mm sq

Display 3-1/2 Digits Seven Segment

Red LED display

Cold Junction Compensation Automatic for Thermocouple

Open Sensor Indication

Sensor Input J, K, R, S, T/C, PT-100 RTD, V & 4 - 20mA

Accuracy J,K 1%; R,S 0.5%; PT-100 RTD 0.2%, mV,V, mA 0.1%

Number of Sensor Inputs 12 points by Rotary Switch

Auxiliary Power Supply 230V Single Phase AC 50Hz.



Non Contact Temperature Controller

Metravi IT-91

Precise non-contact measurements

High distance to target ratio measures smaller surface areas at greater distances

Widest temperature range

Emissivity Digitally adjustable from 0.10 to 1.0

Backlight LCD display

Built-in laser pointer

Automatic selection range and Display Resolution 0.1°C (0.1°F)

Heating and Cooling mode control output

Relay Output

Temperature Range -50 to 900°C

D:S Ratio: 50:1

Over Range Indication

Relay Output of 5A / 250V AC

Single Set Point

Size of Panel Meter 72 x 72 mm sq

Complies to CE and EMC Directives



Multi-Point Temperature Indicator

Metravi DTI-101M 6CH

Flush Mounting type

Used to measure Multi-Point temperature

Sizes 96 x 96 mm sq

Display 3-1/2 Digits Seven Segment

Red LED display

Cold Junction Compensation: Automatic for Thermocouple

Open Sensor Indication

Sensor Input J, K, R, S, T/C, PT-100 RTD, V & 4 - 20mA

Accuracy J,K 1%; R,S 0.5%; PT-100 RTD 0.2%, mV,V, mA 0.1%

Number of Sensor Inputs 6 by Rotary Switch

Auxiliary Power Supply 230V Single Phase AC 50Hz.



Oil Test Set

Metravi OTS

It is ideal for speedy and accurate testing of di-electric strength of transformer and circuit breaker oil under test room condition in accordance with IS:6792-1972 for oil testing.

Input 230V Single Phase AC 50Hz.

Output Continuously variable from 0 to 50kV / 0 - 60kV / 0 - 70kV / 0 - 75kV / 0 - 80kV / 0 - 90kV / 0 - 100kV / 120kV AC with center point of the HV winding earthed

Capacity Spread over a range from 500VA to 1200VA depending on the output voltage

Duty Intermittent duty cycle

Nature of Cooling The transformer is cast resin type air cooled

Manually Operated



Metravi MOTS

It is ideal for speedy and accurate testing of di-electric strength of transformer and circuit breaker oil under test room condition in accordance with IS:6792-1972 for oil testing.

Input	230V Single Phase AC 50Hz.
Output	Continuously variable from 0 to 50kV / 0 - 60kV / 0 - 70kV / 0 - 75kV / 0 - 80kV / 0 - 90kV / 0 - 100kV / 120kV AC with center point of the HV winding earthed
Capacity	Spread over a range from 500VA to 1200VA depending on the output voltage
Duty	Intermittent duty cycle
Nature of Cooling	The transformer is cast resin type air cooled
Motor Operated	



Metravi 7100

A unique combination of Digital Storage Oscilloscope + Recorder + Multimeter

Vertical Dual Channel Input, bandwidth 100MHz

Sweep Base Time Velocity: 50s/div ~ 2.5ns/div

Real Time Sampling Rate 100MSa/Sec

Equivalent Sampling Rate 10GSa/Sec

Playback, Zoom and Cursor measurement facility

Auto measure of Waveform parameters

Waveform math calculations

Auto, Edge, External, Video, Pulse Width Trigger Modes

RS-232 PC Interface facility

Storage of waveform and measured value

Vertical Deflection Factor: 2mV/Div ~ 50V/Div in steps of 1 - 2 - 5

Rise Time < 3.5ns

Channel Isolation ≤ 20:1 (50MHz)

Horizontal Time Base: 2.5nS/Div to 50S/Div

10 Storage locations to store 2 waveforms in each location

Number of records that can be stored is 2

Complete with test leads, holster, battery, instruction manual, RS-232 PC interface cable and software



Oscilloscope

Metravi 700S

Professional True RMS Industrial Digital Multimeter with oscilloscope functions

TFT color LCD display, providing fast A/D converting sampling time,

High accuracy, built-in data logging and Trend Capture features.

It can trace any interrupted problems of the equipment and watch on without person

It is easy to find and solve the problems of the production equipment

Providing Bluetooth technology and memorizing the data Safe measurements with double molded plastic housing design and IP67 waterproof function.

Large 50,000 count 320 x 240 TFT color LCD display

10MHz/50MS/s bandwidth/Real time sample rate

Logging function with Trend Capture for easy review of logged data

Bluetooth PC interface for easy data transfer & accuracy calibration

100kHz/100kHz bandwidth (voltage/current)

AC, AC+DC true-RMS measurements

Records events and trends

Saves measurements

A/D convert fast sampling time

Peak capture (records transients as fast as 250µs)

Min/Max/Average with Time stamp (records signal fluctuations)

Motor winding and low ohm (50Ω) measurement range

Low pass filter

IP Rating 67

Compatible with AC/DC clamp-on adaptor with Bluetooth at mV range



Metravi 7200

A unique combination of Digital Storage Oscilloscope + Recorder + Multimeter

Vertical Dual Channel Input, bandwidth 200MHz

Sweep Base Time Velocity: 50s/div ~ 2.5ns/div

Real Time Sampling Rate 200MSa/Sec

Equivalent Sampling Rate 10GSa/Sec

Playback, Zoom and Cursor measurement facility

Auto measure of Waveform parameters

Waveform math calculations

Auto, Edge, External, Video, Pulse Width Trigger Modes

RS-232 PC Interface facility

Storage of waveform and measured value

Vertical Deflection Factor: 2mV/Div ~ 50V/Div in steps of 1 - 2 - 5

Rise Time < 1.75ns

Channel Isolation ≤ 20:1 (50MHz)

Horizontal Time Base: 2.5nS/Div to 50S/Div

10 Storage locations to store 2 waveforms in each location

Number of records that can be stored is 2

Complete with test leads, holster, battery, instruction manual, RS-232 PC interface



Oscilloscope

Metravi OS-5010A

Single Channel Single Trace Oscilloscope	
Bandwidth	10MHz
Confirms to EN61010-1 (1993) and EN-IEC61326-1(1997)	
Wide measurement	
High sensitivity and trigger lock	
Sweep switch adopts digital code switch and accuracy	
Proper to use in colleges and for engineers and technicians	
Deflection factor is 5mV~5V/div in 1-2-5 Sequence in 10 steps	
Accuracy	±5%

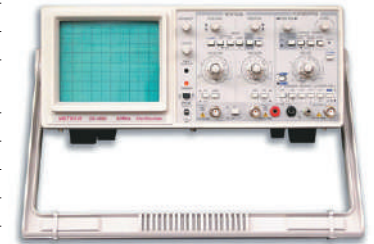
Maximum Input Voltage	400Vpk
Sweep deflection factor is 0.1us/div-0.1s/div	
Accuracy	±5%
Trigger Sensitivity	INT:1.5div EXT:0.3V
Trigger mode	INT, EXT, LINE, TV
Trigger Sweep Mode	NORM, AUTO, TV. LOCK
Calibration Signal	0.5V Square wave of 1kHz
CRT Effective working Area	8x10div 1div=6mm
Auxiliary Power Supply	220V AC 50Hz



Metravi OS-5020

Dual Trace Dual Channel Oscilloscope	
Bandwidth	20MHz
Full bandwidth sweeping circuit is used in the sweeping system	
The flexible and convenient triggering mode has the functions for selecting signals from one channel or triggered by Ext signals	
ALT trigger to observe signals from two irrelative channels	
The instrument has the functions of TV-H / TV-V synchronization and trigger-lock to observe all kinds of signals stably	
From the terminal for trigger input, CH1 and CH2 signals can be output along with the triggering channel to connect the Ext frequency counter	
Y deflection operation	Y1, Y2, ALT, CHOP, ADD, mode X-Y
Vertical Deflection	5mV/Div to 20V/Div in factor 1-2-5 sequence in 12 steps

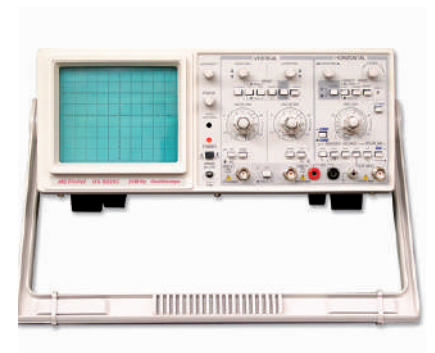
Rising time	< 18nS
Maximum Input Voltage	400V (DC +ACp-p)
Triggering Source	Y1, Y2, ALT, POWER, EXT
Trigger Coupling	AC/DC (EXT), NORM/TV-H, TV-V
Horizontal Sweep Mode	AUTO, TRIG, LOCK, SINGLE
Sweep time factor	0.1uS/div to 0.2s/div in 1-2-5 sequence in 20 steps
Magnification	x10
X-Y Mode input	X-Axis Y1 and Y-Axis Y2
Z Axis minimum input level	TTL Level
Calibration Signal	Square wave of 0.5V at 1kHz
CTR Display size	8cm x 10cm



Metravi OS-5020C

Dual Trace Dual Channel Oscilloscope with Component Test Facility	
Bandwidth	20MHz
Full bandwidth sweeping circuit is used in the sweeping system	
The flexible and convenient triggering mode has the functions for selecting signals from one channel or triggered by Ext signals	
ALT trigger to observe signals from two irrelative channels	
The instrument has the functions of TV-H / TV-V synchronization and trigger-lock to observe all kinds of signals stably	
From the terminal for trigger input, CH1 and CH2 signals can be output along with the triggering channel to connect the Ext frequency counter	
Y deflection operation: Y1, Y2, ALT, CHOP, ADD, mode X-Y	
Vertical Deflection: 5mV/Div to 20V/Div in factor 1-2-5 sequence in 12 steps	

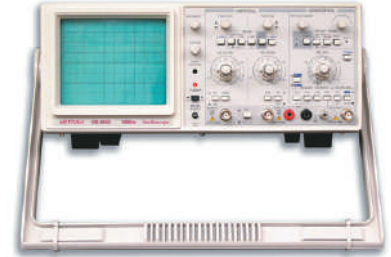
Rising time	< 18nS
Maximum Input Voltage	400V (DC +ACp-p)
Triggering Source	Y1, Y2, ALT, POWER, EXT
Trigger Coupling	AC/DC (EXT), NORM/TV-H, TV-V
Horizontal Sweep Mode	AUTO, TRIG, LOCK, SINGLE
Sweep time factor	0.1uS/div to 0.2s/div in 1-2-5 sequence in 20 steps
Magnification	x10
X-Y Mode input	X-Axis Y1 and Y-Axis Y2
Z Axis minimum input level	TTL Level
Component Test Facility	
Calibration Signal	Square wave of 0.5V at 1kHz
CTR Display size	8cm x 10cm
Auxiliary Power Supply	230V 50Hz AC



Metravi OS-5030

Dual Trace Dual Channel Oscilloscope	
Bandwidth	30MHz
Full bandwidth sweeping circuit is used in the sweeping system	
The flexible and convenient triggering mode has the functions for selecting signals from one channel or triggered by Ext signals	
ALT trigger to observe signals from two irrelative channels	
The instrument has the functions of TV-H / TV-V synchronization and trigger-lock to observe all kinds of signals stably	
From the terminal for trigger input, CH1 and CH2 signals can be output along with the triggering channel to connect the Ext frequency counter	
Y deflection operation	Y1, Y2, ALT, CHOP, ADD, mode X-Y
Vertical Deflection	5mV/Div to 20V/Div in factor 1-2-5 sequence in 12 steps

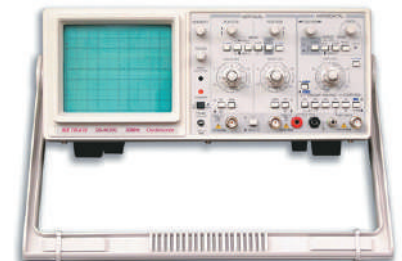
Rising time	< 18ns
Maximum Input Voltage	400V (DC +ACp-p)
Triggering Source	Y1, Y2, ALT, POWER, EXT
Trigger Coupling	AC/DC (EXT), NORM/TV-H, TV-V
Horizontal Sweep Mode	AUTO, TRIG, LOCK, SINGLE
Sweep time factor	0.1uS/div to 0.2s/div in 1-2-5 sequence in 20 steps
Magnification	x10
X-Y Mode input	X-Axis Y1 and Y-Axis Y2
Z Axis minimum input level	TTL Level
Calibration Signal	Square wave of 0.5V at 1kHz
CTR Display size	8cm x 10cm



Metravi OS-5030C

Dual Trace Dual Channel Oscilloscope with Component Test Facility	
Bandwidth	30MHz
Full bandwidth sweeping circuit is used in the sweeping system	
The flexible and convenient triggering mode has the functions for selecting signals from one channel or triggered by Ext signals	
ALT trigger to observe signals from two irrelative channels	
The instrument has the functions of TV-H / TV-V synchronization and trigger-lock to observe all kinds of signals stably	
From the terminal for trigger input, CH1 and CH2 signals can be output along with the triggering channel to connect the Ext frequency counter	
Y deflection operation	Y1, Y2, ALT, CHOP, ADD, mode X-Y
Vertical Deflection	5mV/Div to 20V/Div in factor 1-2-5 sequence in 12 steps

Rising time	< 18ns
Maximum Input Voltage	400V (DC +ACp-p)
Triggering Source	Y1, Y2, ALT, POWER, EXT
Trigger Coupling	AC/DC (EXT), NORM/TV-H, TV-V
Horizontal Sweep Mode	AUTO, TRIG, LOCK, SINGLE
Sweep time factor	0.1uS/div to 0.2s/div in 1-2-5 sequence in 20 steps
Magnification	x10
X-Y Mode input	X-Axis Y1 and Y-Axis Y2
Z Axis minimum input level	TTL Level
Component Test Facility	
Calibration Signal	Square wave of 0.5V at 1kHz
CTR Display size	8cm x 10cm



Metravi OS-5060

Dual Channel Four Trace Oscilloscope	
Bandwidth	60MHz
Confirms to EN61010-1 (1993) and EN-IEC61326-1(1997)	
High Sensitivity	1mV/Div
Waveforms are parallax-free with CRT's internal graticule	
Alt Mag: The waveform (x1) and the x10 magnified waveforms can be displayed simultaneously	
Alt Trig: Stabilized triggering is accomplished with two unrelated signals	
TV Synchronization: Stable TV signals are displayed using new circuitry	
Auto Focus: Focus deviation is automatically corrected	
Vertical Deflection: 5mV/Div to 5V/Div in 1-2-5 sequence in 10 steps for both channels	
Accuracy	±3%
Rise Time	6ns approx.

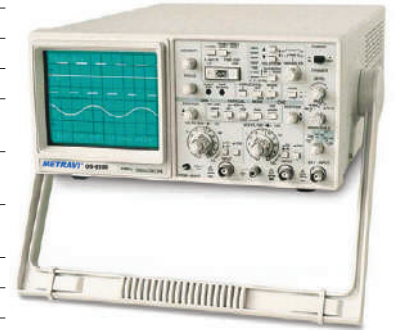
Maximum Input Voltage	300V (DC + AC Peak)
Input coupling system	AC-GND-DC
Operation system	CH1, CH2, ADD and DUAL
Time Base sweep Mode	x1, x5; x1, x5ALT
Sweep Time	0.1uS to 0.2S/iv in 20 calibrated steps of 1-2-5 sequence
Sweep Expansion	10ns/div to 20ms/div
Alt Mag Trace	Maximum 4 traces
Trigger Mode	AUTO, NORM, TV-V, TV-H
Trigger Signal Source	INT, CH2, LINE, EXT
X-Y Operation Mode	CH1, X-axis and CH2, Y-axis
Z-Axis badwidth	DC to 2MHz
Calibration Signal	0.5V Square wave of 1kHz
Auxiliary Power Supply	230V 50Hz AC



Metravi OS-5100

Dual Channel Four Trace Oscilloscope	
Bandwidth	100MHz
Confirms to EN61010-1 (1993) and EN-IEC61326-1(1997)	
It has the function of B delay sweep	
High sensitivity	1mV/DIV
In ALT (A and B alternately sweeps) mode, four traces are displayed	
Fast sweep rate to 5ns/DIV by magnifying 10	
Function of B TRIG'D can decrease the delay shrinking	
Hold-off function makes it easier to catch the complex triggering signals	
Vertical deflection sensitivity	5mV/Div to 5V/Div in 1-2- 5 sequence in 10 steps
Accuracy	±5%
Rise Time	3.5nS
Maximum Input Voltage	400V (DC + AC peak)
Operating Systems	CH1, CH2, ADD, DUAL (CHOP, ALT)

Trigger mode	AUTO, NORM, TV-V, TV-H
Trigger signal source	INT, CH2, LINE, EXT
External trigger input	About 1m.Ohms 25pF impedance
Z-axis maximum input	30V (DC+AC peak) voltage
Bandwidth	DC to 2MHz
Sweep Mode	A,B, B Triggered, X-Y, ALT
Sweep time	A: 0.05uS to 0.2S/Div ±5% in 21 calibrated steps (1-2-5 seq)
	B: 0.05uS to 10uS/Div ±5% in 8 calibrated steps (1-2-5 seq)
Delay system	Continuous delay or triggered delay
Hold-off	Continuous change for 2 times
X-Y Operation mode	CH1 X-axis and CH2 Y-axis
Calibration Signal	0.5V Square wave of 1kHz
Auxiliary Power Supply	230V 50Hz AC



Accessories For Oscilloscopes

Metravi PD-20S

High Voltage Probe to measure AC/DC High Voltage	
Measures upto 30kV DC and 20kV AC	
Accuracy: ± 1%	
Cable Length 1m	



PC Based Oscilloscopes

Metravi DSO-2090

Two Channel Digital Storage Oscilloscope	
When connected to PC with USB 2.0 Interface, provides fully featured Digital Storage Oscilloscope	
Provides extra advantage of easily storing data for future use	
Has two independent channels.	
The program screen emulates a conventional oscilloscope	
The Auto Set function adjusts the settings automatically to the current signal, and the extensive trigger functions make it very simple to operate	
The expanded spectrum analyzer windows including the FFT analysis and the multi-kinds of measurements are more powerful tools in data analysis	
Press a button to transfer the on-screen data to an Excel file for further processing and the waveform can be recalled as a reference for comparison with the new one	
Bandwidth	40MHz
Channels	Two + external triggering
Sampling Rate	100MS/sec
Memory	64kB
Resolution	8bit
Plug & Play Device	



Metravi DSO-2150

Two Channel Digital Storage Oscilloscope	
When connected to PC with USB 2.0 Interface, provides fully featured Digital Storage Oscilloscope	
Provides extra advantage of easily storing data for future use	
Has two independent channels.	
The program screen emulates a conventional oscilloscope	
The Auto Set function adjusts the settings automatically to the current signal, and the extensive trigger functions make it very simple to operate	
The expanded spectrum analyzer windows including the FFT analysis and the multi-kinds of measurements are more powerful tools in data analysis	
Press a button to transfer the on-screen data to an Excel file for further processing and the waveform can be recalled as a reference for comparison with the new one	
Bandwidth	60MHz
Channels	Two + external triggering
Sampling Rate	150MS/sec
Memory	64kB
Resolution	8bit
Plug & Play Device	



Metravi DSO-2250

Two Channel Digital Storage Oscilloscope

When connected to PC with USB 2.0 Interface, provides fully featured Digital Storage Oscilloscope

Provides extra advantage of easily storing data for future use

Has two independent channels.

The program screen emulates a conventional oscilloscope

The Auto Set function adjusts the settings automatically to the current signal, and the extensive trigger functions make it very simple to operate

The expanded spectrum analyzer windows including the FFT analysis and the multi-kinds of measurements are more powerful tools in data analysis

Press a button to transfer the on-screen data to an Excel file for further processing and the waveform can be recalled as a reference for comparison with the new one

Bandwidth	100MHz
Channels	Two + external triggering
Sampling Rate	250MS/sec
Memory	1MB
Resolution	8bit
Plug & Play Device	



PC Based Logic Analyzer

Metravi LA-5034

It is devoted to the observation of digital signal test and measurement equipment.

It has multi-line oscilloscope and other advantages of automatic test equipment.

The use of advanced large-scale integrated circuits, integrated USB 2.0, CPLD, FPGA, high-frequency digital circuitry, embedded systems, and other advanced technology

Using plug-and-play USB power supply, compared to the traditional desktop LA5034 with a higher cost performance, portable, easy-to-use, the expansion of the advantages of good, instead of the traditional equipment is the best choice.

It has 500MHz bandwidth, 34 cost-effective channels

It can be used for digital circuit development, measurement, analysis and debugging, electronic research and development, electronic measurement engineers, college students in scientific research and development and teaching assistant.

It also has a variety of new means of measuring equipment.



Pc Based Arbitrary Function Generator And Frequency Counter

Metravi DDS-3005

Signal Frequency Range : 0-5MHz; Frequency Counter range: 0~2.7GHz

Outputs : One channel of Arbitrary Waveform; 8 Bits signal; Synchronized signal

Inputs : Two channels of Frequency counter; 8 Bits signal; External Trigger

Arbitrary Waveform edited by mouse

General waveforms: Sine, Square, Triangle, Saw-tooth, TTL, White Noise, Gauss noise, Exponent, AM, FM

Settable Parameters: Amplitude, Frequency, Offset

The data file's format is completely compatible with Tektronix's products and software. It can read directly the data files from and be edited by Tektronix's software.

DDS technology, High accuracy and resolution, wide software supporting,



Power Guard

Metravi PG-01

Multifunction Power Meter

Works on 6A / 230V AC

Displays Voltage, Current, Power, Power Factor, Frequency, KWh, CO2, Cost of running the equipment.

Calculates total time consumed

Calculates cost of electricity consumed

Retains the readings while load shedding

Voltage 100V AC ~ 260V AC

Current upto 6A

Power 0 - 1560W

KWh 0 - 9999KWh

Cost

Frequency 45 - 65 Hz

Total Time 0 - 9999 s

Calculates CO2 emission.



Primary Current Injection Test Set

Metravi PCIT

Testing especially if the protective gear is connected to the power line via a current transformer it is advisable to carry out primary injection testing

These sets have been designed to enable the users of heavy electrical equipment to carry out such tests as have been described above with a maximum efficiency at minimum cost, providing a convenient of delivering, controlling and measuring a heavy current in a comparatively low voltage low impedance circuit.

Ideal for testing circuit breakers, ammeters with or without current transformers and much other application where a heavy current supply of short duration is required

Current output	Can Vary from 100A to 4000A
Capacity	Can Vary from 300VA to 40.0kVA
Number of Ranges	Can Vary from 1 to 3
Duty Cycle	5 mins ON and 5 Mins OFF



Metravi RNT-5A

This is a portable Relay Testing Set suitable for testing different types like over current, earth leakage relays, circuit breakers of 1A – 5A rating etc.

All the components are assembled and enclosed with a portable air cooled M.S.cabinet

Input	230V AC 50Hz
Output Current	5A-10A-20A – 50A-100A-200A. as per output range selection
Maximum Capacity	1200VA
Output Voltage	0 – 240V AC or DC of capacity 1A
Built-in digital time interval meter - Checks latching time as well as contact reliability of relay under test	
Time Range	0 – 9.999 Sec & 0 – 99.99 Sec



Refrigerant Gas Leakage Detector

Metravi RLD-01

Detects all CFC refrigerants such as R-22, R-124, R-11 and R-12

The ultra-sensitive long life sensor detects the more current, difficult-to-detect HFC refrigerants such as R-134a, R-404A, and new R-22 replacements, R-410A and R-407C.

It's long, slim gooseneck probe design is easy to use in close areas and for extending into hard-to-reach areas.

It's adjustable alarm, easy one-hand operation and impact resistance storage case add up to value and convenience

Sensitivity to detect: 100ppm of R-134A/R-22

Response Time < 2 sec

Audio and Visual Alarm



Metravi RNT-33

This is a portable Relay Testing Set suitable for testing different types like over current, earth leakage relays, circuit breakers of 1A – 5A rating etc.

All the components are assembled and enclosed with a portable air cooled M.S. cabinet

Input	415V, Three phase, 4 wire 50HZ. AC.
Output Current	1A- 5A –10A –25 & 50A as per output range selection.
Maximum Capacity	250VA at 50 Amps.
Duty Cycle	a) Up to 10A, the loading can be done continuously b) 50A output is rated for intermittent duty cycle i.e. 5 Minutes.
Output Voltage	Fixed 110V AC ph .to ph .with volt. Control 90%, 100% & 110%
Time Measurement	Built in digital time interval meter. Scope to check latching time as well as contact reliability of relay under test.
Time Range	0 – 9.999 sec. Resolution 1 msec. & 0 – 99.99 sec. Resolution 10 msec



Relay Test Set

Metravi RNT-5

This is a portable testing kit in one unit, suitable for testing protective relay, over current relay, earth fault relay, protective device, circuit breaker, tripping coils etc.

The set is designed for both laboratory and field use.

INPUT	230 Volts, single phase, 50Hz. AC.
Current Output	a) 0- 1Amp. At 4/10Volts. b) 0- 2Amp. At 4/10 Volts. c) 0- 5 Amps. At 4/10 Volts.
OUTPUTS	d) 0- 10 Amps. At 4/10 Volts. e) 0- 20 Amps.at 4/10 Volts. f) 0- 50 Amps. At 4Volts. g) 0-100 Amps. At 4 volts. h) 0-200 Amps At 4Volts.

Current output is continuously variable and the output is taken out through a multi range C.T. The secondary is connected to an ammeter scaled in 0 to 100%

AC Voltage Output	Continuously variable 0 -230V AC. Capacity- 460VA(Max).
Fixed AC voltage	50V &110V.
Time Measurement	0-9.999Secs. & 0-99.99Secs. in two ranges. Accuracy : 1%



Metravi ZNT-34

It is suitable for testing distance relays.

Other relays like over current, over voltage, under voltage, earth fault and relays having directional element can also be tested by this relay test set.

Fault phase voltage adjustable between 0 to 110%

Fault current adjustable between 0 to 100%

Phase angle adjustment & measurement 0° to 360°.

Digital time interval meter.

Voltage & current indications by digital meters.

Input Voltage	415V±10%, 3phase, 4 wire 50HZ AC
Output (s)	Test Current : 0 to 1,5,10,25A,50A having 0 to 100% resolution in each tap Rated maximum burden :500 VA. per phase.
Duty Cycle	i) continuous up to 10A. ii) 25A, 50A outputs are rated for intermittent duty cycle i.e. 5mins "ON", 10mins "OFF".
Test Voltages	AC Voltage source: 0-220 volts , phase to neutral, 50 HZ AC.
Rated maximum burden	150VA / phase.
DC voltage source	Isolated 0 - 240 volts D.C. with maximum capacity available 1A.
Phase Angle Variation	0° to 360° in current ckt.
Time Measurement	0-9.999secs. with resolution 1 msec. & 0-99.99sec. with resolution 10 msec



Socket Polarity Tester

Metravi ST-09

To be used for currents up to 6A
Input voltage up to 250V AC
It indicates whether the connections of LINE, NEUTRAL & EARTH is correct,
indicates error for missing earth, Live earth reversal, Live neutral reversal, Missing neutral



Metravi ST-09A

To be used for currents up to 16A
Input voltage up to 250V AC
It indicates whether the connections of LINE, NEUTRAL & EARTH is correct,
indicates error for missing earth, Live earth reversal, Live neutral reversal, Missing neutral



Metravi ST-09B

Socket Polarity Tester
To be used for currents up to 6A
Input voltage up to 250V AC
It indicates whether the connections of LINE, NEUTRAL & EARTH is correct,
indicates error for missing earth, Live earth reversal, Live neutral reversal, Missing neutral
Can also be used for leakage test of up to 30mA



Short Turn Indicator

Metravi EFD

This precise instrument measures AC Resistance and compares it to identical windings, detecting the flaw without having to dismantle the motor

Operates best on poly phase machines or in machines with more than two identical windings like general motors and transformers

Portable, Compact, it is easy to carry.

It operates on a 9V Battery

Sturdy and long lasting this fault detector will see you through the most complex and tough problems

This instrument does not require any calculations



Metravi LITTLE GIANT

A low-cost instrument

Solid state, compact meter

Detects even a single turn shorting in coils by simply inserting the coil in mandrill with both leads of the coil in open condition

9V battery operated

Helpful in mass production of transformer coils, solenoid coil, loudspeaker coil, choke coil, relay coil etc..

Useful in the maintenance of the electronic, electrical instruments

LED Version of the meter is also available



Solar Power Meter

Metravi 207

Sunlight Measurement up to 1999W/m² or 634BTU/(Ft²*hr)

High Accuracy and Fast Response

Data Hold function

Unit and sign display for easy reading

Measuring unit selectable between W/m² and BTU/(Ft²*hr)

Direct Reading with no adjustments

Max / Min value recording

Low Battery Indication

3-1/2 Digits LCD Display

Resolution	1W/m ² ; 1 BTU / (Ft ² *hr)
Accuracy	± 10W/m ²



Sound Level Calibrator

Metravi SC-05

Standard Sound Ringing Capabilities at 94dB and 114dB	
Can be used for both A Weighting and C Weighting Calibration	
Microphone adaptors are provided	
Low Battery Indication	
Output frequency	1kHz
Accuracy	±0.5dB
Complete with user manual, battery and carrying case	



Spectrum Analyzer

Metravi AT-5010

Frequency range	0.15 - 1050 MHz
Center frequency display accuracy	±100kHz
Marker accuracy	(0.1% span ±100kHz)
Resolution of frequency display	100kHz(4.5 digit LED)
Frequency scanwidth	100 kHz/div. to 100MHz/div. in 1-2-5 steps and 0Hz/div.(Zero Scan)
Frequency scanwidth accuracy	±10%
Frequency stability	better than 150 KHz/ hour if Bandwidth (-3dB)
Resolution	400 kHz and 20 kHz;
Video-Filter on	4 kHz
Sweep rate	43Hz
Amplitude range	-100dBm to +13 dBm
Screen display range	80 dB (10dB/div.)
Reference level	-27dBm to +13 dBm (in 10dB steps)
Reference level accuracy	±2dB
Average noise level	-99dBm (20 kHz BW)
Distortion	< -75 dBc: 2nd and 3rd harmonic
3rd order intermod.	-70dBc (two signals > 3MHz apart)
Sensitivity	<5dB above average noise level
Log scale fidelity	±2dB (without attn.) Ref.: 250MHz
Input impedance	50Ω
Input connector	BNC
Input attenuator	0 to 40 dB (4Å~10dB steps)
Input attenuator accuracy	1dB/10 step
Max. input level	+10dBm, ±25V DC (0dB attenuation) +20dBm, (40dB attenuation)



Metravi AT-5011

Frequency range	0.15 - 1050 MHz
Center frequency display accuracy	±100kHz
Marker accuracy	(0.1% span ±100kHz)
Resolution of frequency display	100kHz (4.5 digit LED)
Frequency scan width	100 kHz/div. to 100MHz/div. in 1-2-5 steps and 0Hz/div.(Zero Scan)
Frequency scan width accuracy	±10%
Frequency stability	better than 150 KHz/ hour if Bandwidth (-3dB)
Resolution	400 kHz and 20 kHz;
Video-Filter on	4 kHz
Sweep rate	43Hz
Amplitude range	-100dBm to +13 dBm
Screen display range	80 dB (10dB/div.)
Reference level	-27dBm to +13 dBm (in 10dB steps)
Reference level accuracy	±2dB
Average noise level	-99dBm (20 kHz BW)
Distortion: < -75 dBc	2nd and 3rd harmonic
3rd order intermod.	-70dBc (two signals > 3MHz apart)
Sensitivity	<5dB above average noise level
Log scale fidelity	±2dB (without attn.) Ref.: 250MHz
Input impedance	50 Ohms
Input connector	BNC
Input attenuator	0 to 40 dB (4x10dB steps)
Input attenuator accuracy	1dB/10 step
Max. input level	+10dBm, ±25V DC (0dB attenuation) +20dBm, (40dB attenuation)
Tracking Generator: Frequency range	0.15 MHz to 1050 MHz
Output level range	-50dBm to +1dBm (in 10dB steps and var.)
Output attenuator	0 to 40dB (4Å~10dB steps)
Output attenuator accuracy	±1dB
Output impedance	50> (BNC)
Frequency response	±1.5dB
Radio Frequency Interference(RFI)	<20dBc



Tachometer Calibrator

Metravi CE-0102TMC

Easy to use calibrator for instant and reliable calibration of Non -Contact tachometers up to 199999 RPM

The desired RPM can easily be set using the front panel switches

Since RPM is a function of the frequency, the bright White LED flashes at a value nearest to the set RPM and the actual RPM/Frequency is displayed on the 2 Line Backlit alpha numeric LCD display

The actual RPM/Frequency is displayed on the 2 Line Backlit alpha numeric LCD display



Transistor Tester

Metravi TT-01

Mainly used for testing the DC parameters of semiconductors such as diode, transistor, controlled silicon and field effect transistor.

It also can be used to test the withstand voltage of capacitor, protection voltage of varistor and isolation of electrical products.

It can test 78 and 79 series three-terminal voltage regulator

Measuring forward voltage, reverse voltage, forward saturation voltage drop, amplification factor, reverse leakage current of various crystal diode, audio, silicon controlled rectifier(SCR), field effect transistor(FET).

Measuring rated working voltage of chemical capacitor, terylene capacitor, Ta capacitor, Leaded multilayer ceramic capacitor, high voltage lacker.

Measuring protection voltage of varistor.

Measuring starting voltage of neon bulb, neon lamp.

Measuring constant voltage value of 78, 79 series three-pole circuit.



Time Totalizer

Metravi TT-300

6 Digit LED Display

Auto-ranging from 9999.99 sec to 999999Hrs

Ranges can be fixed at 9999.99 Sec, 99999.9 Sec / Min / Hrs, 99Hr / 59Min / 59 Sec, 9999.99 Sec / Min, 999999 Sec / Min / Hrs (User Selectable)

Accuracy ±0.05%

Control Input Proximity Switches / Contact Closure (Limit Switch, Relay etc.)

Reset Front Reset / Remove Reset / Auto Reset (Programmable)

Memory Retention For up to 10 yrs

Sensor Supply 12V DC

Auxiliary Power Supply 90V to 270V AC 50/60Hz

Size 96 x 48 mm sq



Metravi TT-302

6 Digit LED Display

Auto-ranging from 9999.99 sec to 999999Hrs

Ranges can be fixed at: 9999.99 Sec, 99999.9 Sec / Min / Hrs, 99Hr / 59Min / 59 Sec, 9999.99 Sec / Min, 999999 Sec / Min / Hrs (User Selectable)

Accuracy ±0.05%

Control Input Proximity Switches / Contact Closure (Limit Switch, Relay etc.)

Reset Front Reset / Remove Reset / Auto Reset (Programmable)

Memory Retention For up to 10 yrs

Sensor Supply 12V DC

Auxiliary Power Supply 90V to 270V AC 50/60Hz

Size 96 x 96 mm sq



Transformer Turns Ratio Set

Metravi TTRS-100

Wide measuring range, better resolution, measures percentage ratio & phase error directly, advanced design using integrated circuits, efficient shielding technique, compact in size, phase sensitive null detector, check polarity.

Perfectly suitable to measure actual turns ratio of a transformer

Measures percentage ratio & Phase errors directly

The polarity of the transformer under test is also indicated

Measurements are carried out in 10 ranges arranged in a 1, 2,5,10 sequence.

The measuring span has a range of ratios from 0.800 to 2021

The ratio resolution is 0.01%.

Phase deviation measurements are carried out in two ranges.

Accuracy: ±0.1% of reading.



Two Color Infra Red Thermometer

Metravi ST-300A

Two Color Infra Red Thermometer

D:S Ratio 150:1

Temperature Range 600 - 1400°C

Visual Optical Sighting

Accuracy ±1%

Response Time Less than 100 ms

Adjustable Emissivity 0.10 - 1.00 (1-color) and 0.800 - 1.200 (2-color)

Can work as both single color and two color modes

Peak Hold, Average, Relay Alarm

RS-485 Output for PC Interface

Analogue Output 4 - 20mA

Ideally used for Areas having smoke, steam or dust in the atmosphere

Also ideal for targets where emissivity is changing

Auto Power Off

IP-65 Protection



Metravi ST-300B

Two Color Infra Red Thermometer

D:S Ratio 300:1

Temperature Range 700 - 1800°C

Visual Optical Sighting

Accuracy ±1%

Response Time Less than 100 ms

Adjustable Emissivity 0.10 - 1.00 (1-color) and 0.800 - 1.200 (2-color)

Can work as both single color and two color modes

Peak Hold, Average, Relay Alarm

RS-485 Output for PC Interface

Analogue Output 4 - 20mA

Ideally used for Areas having smoke, steam or dust in the atmosphere

Also ideal for targets where emissivity is changing

Auto Power Off

IP-65 Protection



Metravi ST-300C

Two Color Infra Red Thermometer	
D:S Ratio	300:1
Temperature Range	1000 - 3000°C
Visual Optical Sighting	
Accuracy	±1%
Response Time	Less than 100 ms
Adjustable Emissivity	0.10 - 1.00 (1- color) and 0.800 – 1.200 (2-color)
Can work as both single color and two color modes	
Peak Hold, Average, Relay Alarm	
RS-485 Output for PC Interface	
Analogue Output	4 – 20mA
Ideally used for Areas having smoke, steam or dust in the atmosphere	
Also ideal for targets where emissivity is changing	
Auto Power Off	
IP-65 Protection	



Vibration Meter

Metravi VIB-30+

Designed as a simple diagnostic tool for preventive maintenance

The instrument and the monitoring technique are based on the recommendations of ISO

Pocket Size, most economical

Low Battery indication

Measuring range 0.1 to 199.9 mm/s RMS

Frequency range 10 to 1000Hz

Resolution 0.1mm/s

Accuracy ±2%

Input Sensitivity 10pC/m/S2

Power Supply 9V - 6F22

Display 3 digit 7 segment LED

Vibration Transducer is piezo electric type accelerometer

Sensitivity of transducer 10pC/m/S2



Ultrasonic Thickness Gauge

Metravi UTG-01

Micro-controller based

Quick and Precise Measurement of thickness of most of industrial material. Suitable for measuring materials that are good ultrasonic conductors such as metal, plastic, ceramic, glass etc

Auto calibration to assure the accuracy

Auto linear compensation: this advanced software program enhances the precision by correcting the non-linear accuracy of transducer.

Coupling icon to indicate if the coupling is accomplished or not

10 thickness measurement storage and recall function

Sound velocity measurement

Low battery indication

Auto power off mode

Transducer choice: Φ 10mm 2.5MHz Transducer, Φ 10mm 5.0MHz Transducer

Display 4-digital LCD display

Minimum display unit 0.1mm

Working frequency 5MHz / 2.5MHz

Measuring range 1.2 to 220mm (steel)

Minimum limit for tube curvature measurement 20*3mm(steel)

Accuracy +/- (1%H+0.1)mm, H denotes the measured thickness.

Sound velocity range 1000 to 9999m/s



Metravi AVD-80

Measuring Vibration Velocity, Displacement and Acceleration.

True RMS measurement

Sealed Membrane key pad

Suitable for monitoring machinery vibration caused by imbalance, misalignment and gear faults

Micro Controller based

Back Light Display

Auto Power Off

Battery Low Indication with text

Pocket size and Light weight

Displacement Measuring 0.5- 2800 μ m (0.0005-2.800mm) PK-PK & RMS

Velocity Measuring 0.1 to 99.9 mm/s RMS & PEAK-PK

Acceleration Measuring Range 0.1 to 99.9 m/s2 RMS, PK-PK

Resolution 0.1mm/s

Accuracy ± (2% + 0.1mm/s)

Frequency response 5-1000 HZ



Metravi BCA-111

Micro-processor based diagnostic tool

Direct Indication of machine condition in terms of good-reduced-bad

Mechanical Condition of Bearing

Lubrication condition of Bearing

Damage Severity readings for rolling bearings.

Non-Contact measurements of rotational speed

Vibration Severity measurements according to ISO recommendations.

Bearing Tester Function Range 0 to 99dBpv

Vibration Range 0.1 to 99.9 mm/s RMS

Laser Tachometer range 10 to 20000 RPM

Bearing Probe, head phone, Accelerometer, tachometer probe, manual, battery and carrying case



Metravi PVB-820

Pen type Pocket Size instrument	
LCD Display	
It can measure acceleration, velocity and displacement	
Compact Size, It is light and easy to carry	
Simple Two Key Operation	
Auto Power Off facility	
Acceleration	0.01-199.9m/s ² (peakvalue)
Velocity	0.01-199.9mm/s (effectivevalue)
Displacement	0.001-1.999mm (peak-peakvalue)
Acceleration Frequency Response	10Hz-1kHz.
Velocity Frequency Response	10Hz-1kHz.
Displacement Frequency Response	10Hz-500Hz



Metravi 908

LCD displays measurement result and conditions directly	
Measures acceleration (m/s ² peak), velocity (mm/s RMS) and displacement (mm p-p)	
Selective vibration characteristic	
Uses hi- sensitive vibration sensor for accurate measurements	
Equipped with two probes (SHORT and LONG) to adapt to the different measurement requirements	
Magnetic probe is provided, to be used for holding the sensor in un-easy conditions	
Low battery indication	
Auto Power Off	
Backlit LCD Display	
Maximum value Hold function	
Measures Temperature in °C /°F	
Acceleration	0.1~199.9m/s ² peak
Velocity	0.1~199.9mm/s rms
Displacement	0.001~1.999mm p-p
Frequency range of Acceleration	10Hz ~ 1KHz (LO) 1KHz ~ 15KHz (HI)
Frequency range of Velocity	10Hz ~ 1KHz (LO)
Frequency range of Displacement	10Hz ~ 1KHz (LO)
Temperature	-10°C to 80°C
Battery Operated	
Auto Power Off	
Signal Output	AC output 2V peak, Earphones can be connected



Voltage Transducer

Metravi CE-0102VT

Input and outputs are Isolated	
Type : DIN RAIL Mounting	
AC Input	0 - 3.5, 110, 230,300, 440, 500V, Through PT for Higher Voltages (Any One)
DC Output :	4-20 Voltage (V) : 0- 10 As per Current(mA) Scale (Other Voltage and current outputs available on request)Single Output is standard, Dual Output available on request
Auxiliary	Self Powered
Accuracy	Standard : ± 0.5% of Span
Optional	On Request



Video Infra Red Thermometer

Metravi VIT-20

2.2 TFTL CD display	
640*480 pixels (30 million pixels)	
Micro SD memory card	
Image (JPEG) and video (AVI)	
Picture and Video of target under test can be taken	
Pictures with target sighting, Temperature and time stamp	
Humidity and Air Temperature measurement	
Duallaser targeting	
Type-K thermo couple probe	
Adjustable emissivity	
High accuracy	
Fast response time	
Dew-point Temperature and Wetbulb Temperature	
50:1 Distance to Sighting Ratio	
Temperature Range	-50 to 1850°C
Adjustable Emissivity	0.10 to 1.00
Contact type Thermometer with K type Thermocouple measures Range-50 to1370°C	
Re-chargeable battery and Battery Charger	
USB PC Interface	



Wheatstone Bridge

Metravi WSB

Useful for measuring Low Resistance values	
Range	0.001 to 11.1M.Ohms
Accuracy	± 0.05%
In-built 4.5V dry battery	
Best Quality Manganin Wire is used for coils	
In-built high sensitive galvanometer of 20uA/mm	
Suitable for Murray & Varlex Loop Test	
Optional Light Spot Galvanometer can also be supplied	



Weather Station

Metravi WH-1081PC

Touch Screen Panel, USB Port for PC Interface	
All Weather data from the base station and history data with user adjustable measuring intervals can be recorded and uploaded to the PC	
Rainfall Data	
Wind Chill and Dew Point Temperature Display	
Records min. and max. wind chill and Dew Point with time and date stamp	
Wind Speed (mph, m/s, km/hr, knots, Beaufort)	
Wind Direction display with LCD Compass	
Weather forecast tendency arrow	
Weather alarm modes	
Storm Warning,	
Barometric Pressure with 0.1hPa resolution	
Indoor and Outdoor Humidity	
Time Zone Setting, Time Alarm	
Battery Operated	



Some of our Customers

- A** Aarti Steels Ltd
ABB Limited
ACE Caldersy Ltd
Adhunik Metaliks Ltd
Aditya Birla Insulators
Aditya Birla Nuvo Ltd
Air India
Airports Authority of India
Amara Raja Batteries Ltd
American Consulate General
Amrit Cement Industries Ltd
Andhra Organics Ltd
Anupam MHI Industries Ltd
Apar Industries Ltd
Apollo Fibres Ltd
Archaeological Survey of India
ARCL Organics Ltd
Areva T&D India Ltd
Asian Electronics Ltd
Assam Petrochemicals Ltd
Autometers Alliance Ltd
B Avtec Limited
BSES Limited
BHEL
BSNL
Bajaj Electricals Ltd
Ballarpur Industries Ltd
Balrampur Chini Mills Limited
Bangladesh Cricket Control Board
Bangladesh Steel Re-Rolling Mills Ltd
Barak Valley Cements Ltd
Bengal Chemicals & Pharmaceuticals Ltd
Besco Limited
Bhabha Atomic Research Center
Bhagalpur Electricity Distributors Co Pvt Ltd
Bharat Cooking Coal Ltd
Bharat Earth Movers Ltd
Bharat Electronics Ltd
Bharati Airtel Limited
BHEL Electrical Machines Ltd
Bhushan Steel & Strips Ltd
Bhutan Carbide & Chemicals Ltd
Binani Cement Limited
Birla Ericsson Optical Ltd
Birla Institute of Technology & Science
Birla Research Institute For Applied Sciences
Blue Star Ltd
Bongaigaon Refinery & Petrochemicals Ltd
Bose Institute
BS Limited
BSA Motors
C BSES Kerala Power Ltd
C.E.S.C. Ltd
C.P.W.D.
CBS ELECTRIC Ltd
Calcom Cement India Ltd
Calcutta Medical Research Institute
Calcutta Telephones
Carborundum Universal Ltd
Cartini India Ltd
CDE Asia Limited
Cell Industries Ltd
Cement International Ltd
Central Coalfields Ltd
Central Fuel Research Institute
Central Glass & Ceramic Research Institute
Central Institute of Plastic Engg. & Tech (CIPET)
Central Mechanical Engineering Research Institute
Central Mine Planning & Design Institute Ltd
Central Power Research Institute
Central Railway
Chittaranjan Locomotive Works
Cochin Shipyard Ltd
Columbia Asia Hospital
Corporate Ispat Alloys Lts
Crompton Greaves Ltd
CRSU, VECC
D Cummins India Ltd
Dabur India Limited
Dalmia Cement Bharat Ltd
Damodar Valley Corporation
Damodar Cement & Slag Ltd
DCM Engineering Ltd
DCW Limited
Deepak Steel & Power Ltd
Delhi & District Cricket Association
Delta Ltd
Delta Papers Mills Limited
Department of Atomic Energy
Dept. of Light House & Light Ships
Descon Limited
Diamond Cements
Diesel Loco Modernisation Works
Dishnet Wireless Ltd
DOEACC Center Imphal
Dongfang Electric Corporation
- E** Doordarshan Maintenance Center
Durgapur Chemicals Ltd
Durgapur Steel Plant
E.I.D. Parry (India) Limited
E.M.C. Limited
East Central Railway
Eastern Spinning Mills & Industries Ltd
Eastern Coalfields Ltd
Eastern Metalizing Ltd
Eastern Railway
Electrosteel Casting Ltd
Electronics Regional Test Laboratory
Electronics Test & Development Center
Electrosteel Steels Ltd
Enami Paper Mills Ltd
ESAB India Limited
Essar Projects (India) Ltd
Essar Steel India Limited
Essel Mining & Industries Ltd
Eveready Industries India Ltd
Exide Industries Ltd
F FACOR Alloys Ltd
Fan Manufacture of Cluster Foundation of Kolkata
Farakka Super Thermal Power Project
FCI OEN Connectors Ltd
Ferro Alloys Corporation Ltd
Ferro Scrap Nigam Ltd
Flender Ltd
Fluidomat Limited
G GA Danjeel India Ltd
Gail Gas Limited
Gallant Ispat Limited
Ganpati Sugar Industries Ltd
Gardner Reach Shipbuilders & Engineers Ltd
Garwara Polyester Ltd
Gas Authority of India- Auriya
Genus Power Infrastructures Ltd
Gloster Limited
Goa Cricket Association
Gobind Sugar Mills Ltd
Gudhraj & Boyce Mfg. Co. Ltd
Gonterman Peipers India Ltd
Goodricke Group Ltd
Graphite India Ltd
Grasim Industries Ltd
Great Eastern Energy Corporation Ltd
Greaves Limited
Greenply Industries Ltd
Gun & Shell Factory
Guru Nanak Auto Enterprises Ltd
H H G T Industries Ltd
Haldia Energy Ltd
Haldia Petro Chemicals Ltd
Hanuman Agro Industries Ltd
Harell Industrial Ltd
Harinagar Sugar Mills Ltd
Havells India Ltd
HBL NIFE Power System Ltd
HBL Power Systems Ltd
HCL Infosystems Ltd
HCL Technologies Ltd
Heavy Engineering Corporation Ltd
Heavy Water Plant
HEG Limited
Heidelberg Cement India Ltd
Hero Motors Ltd
Hind Rectifiers Ltd
Hindalco Industries Limited
Hindustan Aeronautics Limited
Hindustan Copper Ltd
Hindustan Oil Exploration Co. Ltd
Hindustan Paper Corporation Ltd
Hindustan Zinc Limited
Hindusthan Engineering & Industries Limited
Hindusthan Malleables & Forgings Ltd
Hitech Abrasives Ltd
Holcim Cement (Bangladesh) LTC
I I T C Limited
IB Thermal Power Station
IBP Co. Ltd
IDCOL Ferro Chrome & Alloys Ltd
IFB Industries Ltd
IND Synergy Ltd
Ind-Barath Energy (Utkal) Limited
India Carbon Ltd
India Dairy Products Limited
India Resources Ltd
Indian Aluminium Co. Ltd
India Cements Ltd
Indian Charge Chrome Ltd
Indian Explosives Ltd
Indian Farmers Fertiliser Co-operative Ltd
Indian Institute of Technology
Indian Jute Industries Research Institute
Indian Metal & Ferro Alloys Ltd
Indian Oil Corporation Limited
- J** Indianoil Petronas Pvt. Ltd
Indo - Gulf Industries Ltd
Inland Power Ltd
Institute of Himalayan Bio-Resource Technology
Integrated Cleanroom Technologies Ltd
IPCA Laboratories Limited
IPI Steel Ltd
Isolux Ingenieria, S.A.
Ispat Alloys Ltd
Ispat Chrome Ltd
ISRO Satellite Center
J ITC Limited
JCT Limited
J.K. Paper Ltd
J.S.B. Cement LLP
Jai Balaji Industries Ltd
Jain Carbides & Chemicals Ltd
Jaintia Cement Limited
Jaiprakash Associates Limited
Jaiswal Alloys Pvt Ltd
Jammu & Kashmir Cricket Association
Jashree Chemical Ltd (Kol)
JCT Limited (Filament Unit)
Jespp & Co
Jindal India Ltd
Jindal Power Limited
Jindal Saw Ltd
Jindal Stainless Ltd
JK Paper Ltd
JKEW Forgings Ltd
JMT Auto Ltd
Johnson & Johnson Ltd
JSL Stainless Ltd
JSW Cement Ltd
JSW Energy Ltd
JSW Steel Processing Centers Ltd
Jyothy Laboratories Ltd
K K.C.P. Sugar & Industries Corpn. Ltd
Kafer Punj Lyods Ltd
Kalyani Alloy Casting Ltd
Karnataka Power Corporation Ltd
Keonjhar School of Engineering
Khaiatan Electricals Limited
Khalilabad Sugar Mills
Khanna Paper Mills Ltd
Kingsley Industries Ltd
Kirloskar Bros. Ltd
Kirloskar Electric Co Ltd
Kirloskar Theratronics (P) Ltd
Kityu Industries Ltd
Krypton Industries Ltd
Kudremukh Iron & Steel Co. Ltd
Kurichu Hydro Power Corporation
Kurlon Limited
L Kusalava International Ltd
L & T Shipbuilding Ltd
L.N. Metallic Ltd
Lafarge India Ltd
Lahiri Power & Steels Ltd
Laila Nutraceuticals
Larsen & Toubro Limited
Lawatherm Furnace Pvt. Ltd
Lawrence & Mayo (India) Pvt Ltd
Lemos Cement Ltd
LG Polymers India Pvt. Ltd
Life Care Systems
Light House & Lightships
Limtex Tea & Industries Ltd
Lohit Glass Pvt Ltd
Lower Assam Hospital & Research Center
Loyal Textile Mills Ltd
LTS Plastics (I) Pvt Ltd
Luminous Power Technologies Pvt Ltd
Lyons India Ltd
M Maa Laxmi Steel Ltd
Mackintosh Burn Ltd
Macmet India Ltd
Macneil Engineers Ltd
Madhya Bharat Papers Ltd
Madras Cements Ltd
Mafatal Denim Ltd
Maheshwary Ispat Ltd
Mahindra Water Utilities Ltd
Maithan Alloys Ltd
Maithan Ispat Ltd
Maithan Steel & Power Ltd
Malu Paper Mills Ltd
Mankapur Chini Mills
Marathon Electric Motors (India) Ltd
Mark Steel Limited
Marsons Ltd
Max India Limited
Mayurbanj School of Engineering
MB Ispat Corpn. Ltd
Mcregore & Balfour India Ltd
Mcnally Bharat Engg. Co. Ltd
- N** Meghalaya Cements Ltd
Meghalaya Power Ltd
Meghalaya State Electricity Board
Meja Urja Nigam Pvt Ltd
Metro Dairy Limited
MGM Minerals Ltd
MGM Steels Ltd
Mideast Integrated Steels Ltd (Mesco Steel)
Mizoram Police Radio Organization
Monnet Ispat Ltd
MPS Food Products Ltd
MSP Metallics Ltd
MSP Sponge Iron Ltd
Mukand Ltd
N Mysore Cements Ltd
N.T.F.C. Limited
Nagarjuna Fertilizers & Chemicals Ltd
Nalwa Steel & Power Ltd
National Aluminium Co. Ltd
National Council of Science Museums
National Fertilizers Limited
National Institute of Science Education & Research
National Plywood Industries Ltd
Nava Bharat Ferro Alloys Ltd
Nava Bharat Ventures Ltd
NDT Laboratories Pvt. Ltd
NEC Energy Pvt Ltd
NEC Motors (P) Ltd
Neelachal Ispat Nigam Ltd
Neco Ltd
Nellimala Jute Mills Co. Ltd
Neo Metaliks Ltd
Nepa Limited
Neptune (India) Ltd
Nestle India Limited
Nippon Power Ltd
Nirlon Ltd
Nissan Ashok Leyland Technologies Ltd
Nixon Steel & Power Ltd
North Central Railway
North East Frontier Railway
North Eastern Railway
North Frontier Railway
Nuclear Power Corpn. of India Ltd
Numaligarh Refinery Ltd
O NVD Solar Ltd
OCL India Ltd
Olivaceous Tea & Industries Ltd
Oerlikon Balzers Coating India Pvt. Ltd
Oil & Natural Gas Corporation Limited
Oil India Limited
Opto Circuits (India) Ltd
ORB Birotechnics Pvt. Ltd
Ordnance Factory
Organon (India) Ltd
Ori Plast Ltd
Orient Cement
Orient Electric
Orient Fans
Orient Paper Mills
Orissa Air Products Ltd
Orissa Hydro Power Corporation Ltd
Orissa Manganese & Minerals Ltd
Orissa Power Generation Corpn. Ltd
Orissa Sponge Iron & Steel Ltd
Oswal Chemicals & Fertilizer
Otis Elevator Co. (India) Ltd
P Palashbhari Tea Co Ltd
Palsons Drugs & Chemical Industries
Paradeep Carbon Ltd
Paradeep Phosphates Ltd
Penden Cement Authority Ltd
Pengg Usha Martin Wires Pvt Ltd
Penna Cement Industries Ltd
Perfect Filaments Ltd
Pioneer Friction Ltd
Polar Industries Ltd
Polar Pharma India Ltd
Power Grid Corporation of India Ltd
Prabartak Jute Mills Ltd
Prakash Industries Ltd
Pratap Synthetics Ltd
Praxair India Ltd
Premier Cryogenics Ltd
Premier World Technology Ltd
Progressive Fertilchem (P) Ltd
Protap Polybags Ltd
Proton Steels Ltd
PSPL NTPC
Punjab Engineering College
Punrasar Jute Park Ltd
Purbanchal Cement Limited
Q Pure Coke Ltd
QA Tech
QED Solutions
Quadra Medical Center
- R** Quality Services & Laboratories
Quantum Powertech Pvt Ltd
R.K.B. Cements Pvt. Ltd
Raj West Power Ltd
Rajasthan Cricket Association
Rajasthan Fertilizer & Chemicals Corpn. Ltd
Rajiv Gandhi Thermal Power Plant
Ralsion (India) Limited
Ranbaxy Laboratories Limited
Rane Brake Linings Ltd
RAS New Cement Unit
Raymond Zambaiti Ltd
Rayon Textile India Pvt. Ltd
RDB Textiles Ltd
Regency Ceramics Ltd
Reliance Communications Ltd
Reliance Energy Ltd.
Reliance Industries Ltd
Reliance Infrastructure Ltd
Reliance Storage Energy & Systems Pvt. Ltd
Reliance Telecom
Research & Development Center for Iron & Steel
Rico Auto Industries Ltd
RITES LTD
RNB Cements Pvt. Ltd
Roots Industries India Limited
Roshni Powertech Ltd
Rotomac Electricals P. Ltd
Rotomac Motors & Controls Pvt Ltd
Rotomotive Power Drives (I) Ltd
RPG Netcom Ltd
RPG Transmission Ltd
RSB Transmissions (I) Ltd
RTS Power Corporation Ltd
Rugby Pharma Pvt Ltd
Ruia Chemicals Pvt. Ltd
Rusan Pharma Ltd
S S R F Limited
Saha Institute Of Nuclear Physics
Sasa Musa Sugar Works Ltd
Satish Dhawan Space Center
Schenck Process India Ltd
Scientific Clinical Research Laboratory Pvt Ltd
SDE VSNL
Sentacon Steel Pvt Ltd
Seven Hills Steel & Iron Factory
Shalimar Wires Industries Ltd
SHAR Center
Sharp Ferro Alloys Ltd
Shree Badarinarayan Alloys & Steel Ltd
Shree Cement Limited
Shriram EPC Ltd
Siemens Ltd
SML Isuzu Ltd
South Central Railway
South City Project Kolkata Ltd
South East Central Railway
South Eastern Coalfields Ltd
South Eastern Railway
South Western Railway
Southern Railway
Space Applications Center
SPS Steel & Power Ltd
SQAE (Electronics)
SR Infra Proj. Pvt. Ltd
Sree Metaliks Ltd
SRF Limited
Steel Authority of India Ltd
Sterling and Wilson Ltd
Sterlite Industries (India) Ltd
Structural Engg. Research Center
Sun Bio Technology Ltd
Sundaram Brake Linings Ltd
Sunflig Iron & Steel Co. Ltd
Supreme Paper Mills Ltd
Surya Roshni Ltd
Suzlon Structures Pvt Ltd
T T S Alloys Ltd
T&T Projects Ltd
Tantia Constructions Ltd
Tata Chemicals Ltd
Tata Cummins Ltd
Tata Honeywell Ltd
Tata Metaliks Ltd
Tata Projects Limited
Tata Ryerson Ltd
Tata Sponge Iron Ltd
Tata Steel Ltd
Technimot ICB Limited
Tecmag Transformers (India) Pvt. Ltd
Telcon Ltd
The Andhra Petrochemicals Ltd
The Andhra Pradesh Paper Mills Ltd
The Andhra Sugars Limited - Taduvai
The Apollo Clinic
The Board of Control for Cricket in India
The Fertilisers & Chemicals Travancore Ltd
The Indian Iron & Steel Co. Ltd
The Madras Aluminium Co Ltd
The Mysore Paper Mills Ltd
The Tejojan Tea Company Ltd
The Travancore - Cochin Chemicals Ltd
The Wallace Flour Mills Co. Ltd
The West Coast Paper Mills Ltd
Thermax Ltd
Thyssenkrupp Elevator (INDIA) Pvt. Ltd
TIL India Ltd
Times Ferro Alloys Limited
Times Steel & Power Ltd
Timken India Ltd
Torrent Power Limited
Traco Cable Company Ltd
Transmetalstroy - Afcons JV
TRF Limited
Triveni Engineering & Industries Ltd
True Power Tech (P) Ltd
Tulip Tea Co. Ltd
Tulsipur Sugar Co
TVS Srichakra Ltd
U U. P. Jal Vidyut Nigam Ltd
UGC DAE CSR
Ultratech Cement Limited
Uma Plastics Ltd
Unitex Paper & Board Industries (Pvt) Ltd
United Conveyor Corporation (India) Pvt Ltd
United Paper Boards Ltd
United Storage & Tank Terminals Ltd
Unitex Power Solutions (India) Ltd
Unitherm Engineers Ltd
Universal Cables Ltd
Universal Machines Ltd
University College of Science
University of Hyderabad
Uranium Corporation of India Ltd
Usha Martin Ltd
Usha Welds Ltd
V V - Guard Industries Ltd
Vandana Vidhyut Ltd
Varun Beverages Ltd
VECC
Vedhes Ispat Ltd
Vedhes Research & Dev. Estt (VRDE)
Versatile Wire Ltd
Vertex Research Center (Rangasamuthiram)
Vikas Metal Ltd
Vikram Sarabhai Space Center
Virchow Laboratories Ltd
Vishnu Sugar Mills Ltd
Vishva Electrotech Ltd
Viveksaraya National Institute of Technology
Vivada Inland Water Ways Ltd
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VSNL
W VXL Technologies Ltd
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Welbec Consumar Electronics Ltd
Welcast Steels Ltd
West Bengal State Electricity Board
West Bengal Chemical Industries Ltd
West Bengal State Transmission Co Ltd
West Central Railway
Windsor Machines Ltd (Koi)
Winsome International Ltd
Wonder Cement Ltd
Worthy Plywoods Ltd
X WPLI Ltd
Xenitis Infotech Ltd
Y Xpro India Ltd
Y-S Hitech Sec. Print (P) Ltd
Yamuna Industries Ltd
Yamuna Power & Infrastructure Ltd
Yash Papers Ltd
Yashoda Hospital
Yatezu Instrumentation
YL Solutions
Yoedbar Enterprise
Z Yuksom Breweries Ltd
Zeco Aircon Industries Ltd
Zenith Erectors Pvt Ltd
Zenith Mechanics (India) Pvt. Ltd
Zentech Engineering Systems
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