

Precision RTD Handheld Data Logger Thermometer

HH376



Standard
No Points

- ✓ High Accuracy with 0.01°C/°F Resolution
- ✓ Large Backlit Dual LCD Display
- ✓ MAX/MIN/HOLD Function
- ✓ 16,000 Record Data Logger
- ✓ USB Cable Included
- ✓ Windows Software
- ✓ Auto Power Off
- ✓ User Offset Adjustable
- ✓ Low Battery Indicator
- ✓ Tilt Stand
- ✓ Precision 4 Wire, 100Ω Platinum RTD Probe Included

The HH376 is a high accuracy RTD thermometer plus a powerful data logger. The unit can store up to 16,000 records at programmed intervals. Windows® based software and USB interface cable are included to allow real time or recorded data to be read by a PC through the USB or RS232 port (RS232 cable is optional). The HH376 is supplied with a precision 4-wire RTD probe with automatic locked push-pull connector for easy connection.

Specifications

INSTRUMENT

Numerical Display: 5-digit LCD

Measurement Range: -100 to 400°C (-148 to 752°F)

Resolution: 0.01°C (0.02°F)

Sensor Types: Platinum resistance temperature sensor for pt-100 4 wires, ALPHA = 0.00385

ENVIRONMENTAL

Operating Temperature and Humidity: 0 to 50°C (32 to 122°F); 0 to 80% RH

Storage Temperature: -10 to 60°C (14 to 140°F); 0 to 80% RH; altitude up to 2000 meters

Accuracy: At (23 ±5°C)

Range Accuracy: -100 to 400°C ±(0.05% reading + 0.1°C) [-148 to 752°F ±(0.05% reading + 0.2°F)]

Temperature Coefficient: For ambient temperatures from 0 to 18°C and 28 to 50°C, for each °C ambient below 18°C or above 28°C add the following tolerance into the accuracy spec. 0.005% of reading + 0.01°C (0.005% of reading + 0.02°F)

Sample Rate: 2 times per second

Dimensions: 185 L x 65 W x 36 mm D (meter only)

Weight: 360 g approximately

Power Requirement: 9V battery (included)

AC Adaptor: 9 Vdc (7 to 10V maximum)/20 mA minimum (plug diameter: 3.5 x 1.35 mm)

Battery Life: Approximately 100 hours



PROBE

Sensor Type: Pt100 (4-wire)

Accuracy: Class A13, temperature probe

Measurement Range: -100 to 400°C (-148 to 752°F)

Sheath Diameter: 5.0 mm (0.2")

Sheath Length: 230 mm (9.05")

Cable Length: 1500 mm (59.0")



OMEGACARESM extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARESM covers parts, labor and equivalent loaners.

To Order

Model No.	Description
HH376	Precision RTD handheld data logger thermometer with probe

Accessories (Field Installable)

Model Number	Description
HH376-RP	Precision 4-wire RTD probe (spare)
HH300-ADAPTOR	Power adaptor (115 Vac)
HH300-CABLE	RS232 interface cable (optional)
HH300A-CABLE-USB	USB interface cable (spare)

Comes complete with precision RTD probe, USB cable, Windows software, NIST certificate, carrying case, 9V battery, and operator's manual.

Ordering Example: HH376P, precision RTD handheld data logger thermometer. OCV-3, OMEGACARE extends standard 1-year warranty to a total of 4 years.