8-Channel RTD Temperature Data Logger
Part of the NOMAD® Family

OM-CP-OCTRRTD

- 100Ω PT RTD input
- 0.01°C Resolution
- Real-Time Operation
- Programmable Start Time
- User Calibration Through Software

The OM-CP-OCTRRTD temperature logger is an 8-channel, battery-powered, stand-alone, RTD-based temperature recorder. This is an all-in-one compact, portable, easy-to-use device that will measure and record up to 10,922 measurements per channel. The storage medium is non-volatile solid state memory, providing maximum data security even if the battery becomes discharged. The device can be started and stopped directly from your computer and its small size allows it to fit almost anywhere. The OM-CP-OCTRRTD makes data retrieval quick and easy. Simply plug it into an available COM port and the easy-to-use Windows software does the rest.

The Windows software converts your PC into a real-time strip chart recorder. Data can be printed in graphical or tabular format and can also be exported to a text or Microsoft Excel file.

Specifications

TEMPERATURE
Input Type: 100Ω Pt RTD, \( \alpha = 0.00385 \)
Measurement Range: -200 to 850°C (-328 to 1562°F)

Resolution: 0.01°C
Calibrated Accuracy: ±0.1°C @ 25°C ambient (does not include RTD error)
Specific Accuracy Range: -200 to 850°C (-328 to 1562°F)

RESISTANCE
Nominal Range: 0 to 500Ω
Resolution: 0.001Ω
Calibrated Accuracy: ±0.03Ω @ 25°C ambient
Specified Accuracy Range: 0 to 500Ω
Channels: 8

Input Connection: Removable screw terminal; 2, 3, or 4 wire interface
Start Time: Start time and date are programmable through software
Real-Time Recording: Device may be used with PC to monitor and record data in real time
Memory: 10,922 readings per channel
Recording Interval: 2 sec to 12 hours, selectable through software

Calibration Date: Automatically recorded within device to alert user when calibration is required
Temperature Calibration: Digital calibration is available in software
Power: 9V lithium battery (included); 120 Vac power optional
Battery Life: 1 year typical
Data Format: Date and time stamped, °C, °F, °K, °R, Ω
Time Accuracy: ±1 minute per month at 20°C (when RS232 port not in use)
Computer Interface: PC serial, RS232C COM or USB (interface cable required); 2400 baud
Software: XP SP3/Vista/7 and 8 (32-bit and 64-bit)
Operating Environment: -20 to 60°C (-4 to 140°F) 0 to 95% RH non-condensing
Dimensions: 89 H x 112 W x 39 mm D (3.5 x 4.4 x 1.5”)
Weight: 450 g (16 oz)
Material: Black anodized aluminum

To Order
Visit omega.com/om-cp-octrtd for Pricing and Details

Model No. | Description
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OM-CP-OCTRRTD | 8-channel RTD temperature data logger
OM-CP-OCTRRTD-CERT | 8-channel RTD temperature data logger with NIST calibration certificate
OM-CP-IFC200 | Windows software and 1.8 m (6’) USB interface cable
OM-CP-BAT103 | Replacement 9V lithium battery
OM-CP-CONNECTOR-4 | Replacement 4 position terminal block connector

To Order, Call 1-800-327-4336 or Shop Online at omega.com