

4-Channel Temperature Data Logger Part of the NOMAD® Family

OM-CP-QUADRTD



- ✓ 100Ω Pt RTD Input
- ✓ Real Time Operation
- ✓ 0.01°C Resolution
- ✓ Programmable Start Time
- ✓ User Calibration Through Software

The OM-CP-QUADRTD temperature logger is a 4-channel, battery powered, stand-alone, RTD based precision temperature recorder. This is an all-in-one compact, portable, easy-to-use device that will measure and record up to 21,845 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.

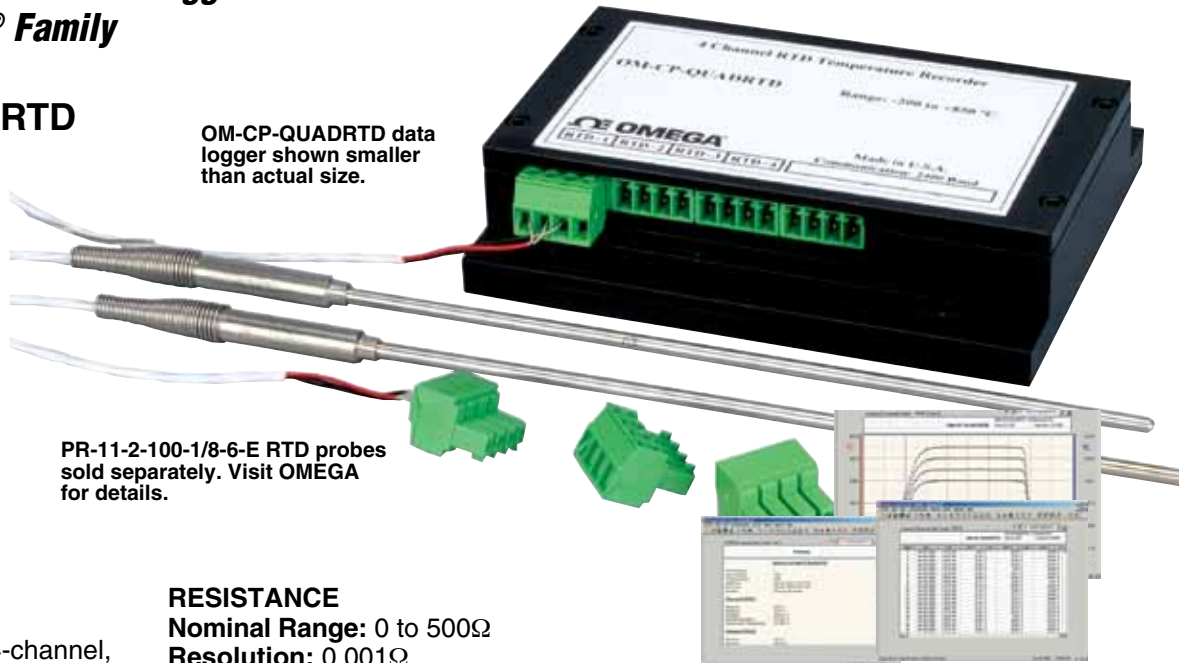
The OM-CP-QUADRTD makes data retrieval quick and easy. Simply plug it into an available COM port and the easy-to-use Windows software does the rest.

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)
Specified Accuracy Range:
 -200 to 850°C (-328 to 1562°F)

OM-CP-QUADRTD data logger shown smaller than actual size.



PR-11-2-100-1/8-6-E RTD probes sold separately. Visit OMEGA for details.

RESISTANCE

Nominal Range: 0 to 500Ω
Resolution: 0.001Ω
Calibrated Accuracy:
 ±0.03Ω @ 25°C ambient
Specified Accuracy Range: 0 to 500Ω
Channels: 4
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: 21,845 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

OM-CP-IFC200 Windows software displays data in graphical or tabular format.

Battery Life: 1 year typical
Data Format: Date and time stamped, °C, °F, °K, °R, Ω
Time Accuracy: ±1 min 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: Windows 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 26 mm D
 (3.5 x 4.4 x 1.0")
Weight: 335 g (12 oz)
Material: Black anodized aluminum

To Order

Model No.	Description
OM-CP-QUADRTD	4 channel RTD temperature data logger
OM-CP-QUADRTD-CERT	4 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

Comes complete with 9V lithium battery. Operator's manual is included with the OM-CP-IFC200 Windows software and USB cable, (software is required to operate the data logger and is sold separately).

To order data loggers with optional 120 Vac power, add suffix "-AC" to model number for additional cost.

Ordering Example: OM-CP-QUADRTD-CERT 4-channel RTD temperature data logger with NIST calibration certificate and OM-CP-IFC200 Windows software and USB cable.