

OM-CP-QUADRTD 4-Channel Temperature Data Logger

Part of the NOMAD® Family

Starts at
\$599

OM-CP-QUADRTD, \$599, data logger shown smaller than actual size



- ✓ 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

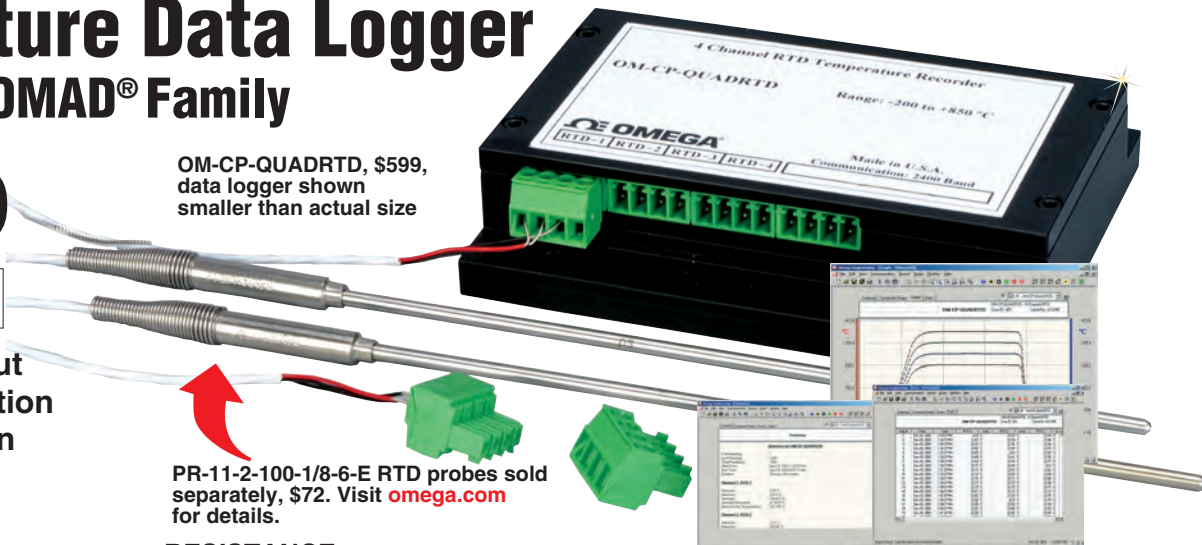
Calibrated Accuracy:

±0.1°C @ 25°C ambient

(does not include RTD error)

Specified Accuracy Range:

-200 to 850°C (-328 to 1562°F)



PR-11-2-100-1/8-6-E RTD probes sold separately, \$72. Visit omega.com for details.

RESISTANCE

Nominal Range: 0 to 5000Ω

Resolution: 0.001Ω

Calibrated Accuracy:

±0.03Ω @ 25°C ambient

Specified Accuracy Range: 0 to 500

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: 9 V lithium battery included; 120 Vac power optional

OM-CP-IFC110, \$99, 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 RS-232 port not in use)

Computer Interface: PC serial, RS-232C COM or USB (interface cable required); 2400 baud

Software:

WIN98/NT/2000/XP/VISTA 32-bit/7(32-bit); (VISTA/7 32-bit version only; VISTA/7 64-bit are not supported)

Operating Environment:

-20 to 60°C (-4 to 140°F)
0 to 95% RH non-condensing

Dimensions:

89 H x 111 W x 26 mm D
(3.5 x 4.4 x 1.0")

Weight: 370 g (13 oz)

Material: Black anodized aluminum

AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

| Model No. | Price | Description |
|--------------------|-------|---|
| OM-CP-QUADRTD | \$599 | 4 channel RTD temperature data logger |
| OM-CP-QUADRTD-CERT | 659 | 4 channel RTD temperature data logger with NIST calibration certificate |
| OM-CP-IFC110 | 99 | Windows software and 1.2 m (4') RS-232 cable with DB9F termination |
| OM-CP-IFC200 | 129 | Windows software and 3.7 m (12') USB interface cable |
| OM-CP-BAT103 | 25 | Replacement 9 V lithium battery |
| OM-CP-CONNECTOR-4 | 8 | Replacement 4 position terminal block connector |

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 and add \$100 to price.

Ordering Example: OM-CP-QUADRTD-CERT 8 channel RTD temperature data logger with NIST calibration certificate and OM-CP-IFC200 Windows software and USB cable, \$659 + 129 = \$788.



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