4-Channel Voltage Data Loggers
Part of the NOMAD® Family

OM-CP-QUADVOLT

5 YEAR WARRANTY

- ✔ **16-Bit Resolution**
- ✔ **Programmable Engineering Units, Scale Factor and Offset Value**
- ✔ **Memory Wrap Around**
- ✔ **Miniature Size**
- ✔ **User Calibration Through Software**
- ✔ **Real Time Operation**

The OM-CP-QUADVOLT are low cost, high resolution, miniature battery powered, stand-alone voltage input data loggers. In addition, the OM-CP-QUADVOLT allows the user to store user defined engineering units into the device as well as scale factors and offset values. This enables the user to easily linearize and scale any transducer that provides a voltage to any user required units automatically.

This all-in-one compact, portable, easy-to-use device will measure and record up to 32,768 voltage measurements per channel. The OM-CP-QUADVOLT is a major leap forward in both size and performance. Its real time clock ensures that all data is time and date stamped. The storage medium is non-volatile solid state memory, providing maximum data security even if the battery becomes discharged. Its small size allows it to fit almost anywhere.

Data retrieval is simple. Plug it into an available COM port and our easy to use software does the rest. The software converts your PC into a real time strip chart recorder. Data can be printed in graphical or tabular format and can be exported to a text or Microsoft Excel file.

Specifications
Input Channels: 4
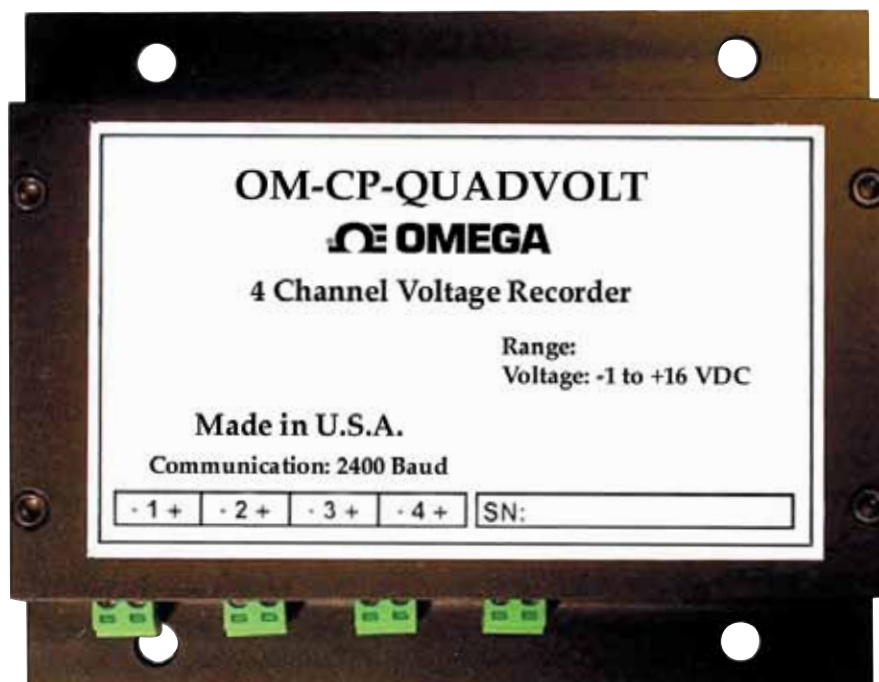**Memory:** 32,768 readings/channel
Input Connection: Removable screw terminal
Input Impedance: >10 KΩ
ADC Resolution: 16 bits
Voltage Calibration: Digital calibration is available in software

OM-CP-QUADVOLT data logger shown larger than actual size

Calibration Date: Automatically recorded within device to alert user when calibration is required
Recording Interval: 1 second to 12 hours selectable in software
Start Time: Start time and date are programmable through software
Memory Wrap Around: Selectable in software
Real Time Recording: Device may be used with PC to monitor and record data in real time
Power: 9V lithium battery (included); 120 Vac power optional
Battery Life: 1 year typical
Time Accuracy: ±1 minute per month at 20°C
Data Format: Date and time stamped, µV, mV, V and other engineering units programmable through software
Computer Interface: PC serial, RS-232C COM or USB (interface cable required); 2400 baud
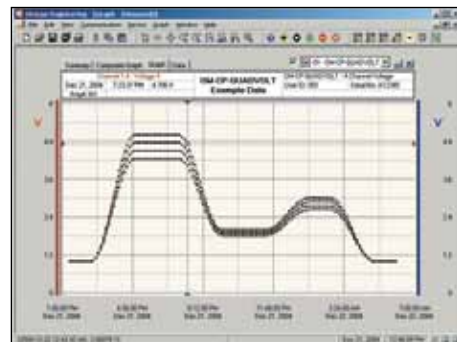**Software:** XP SP3/Vista/7 and 8 (32-bit and 64-bit)
Operating Environment: -20 to 60°C (-4 to 140°F) 0 to 95% RH non-condensing
Dimensions: 26 D x 111 L x 89 mm W (1.0 x 4.4 x 3.5")
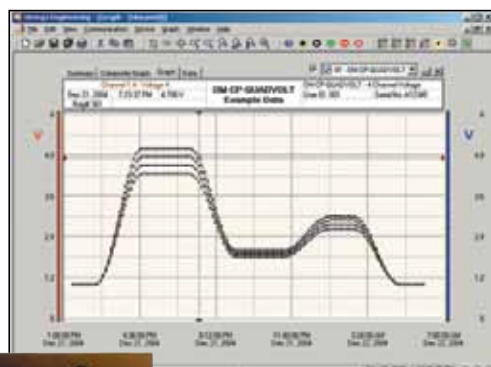**Weight:** 370 g (13 oz)
Material: Black anodized aluminum

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

INPUT RANGES	OM-CP-QUADVOLT-100MV	OM-CP-QUADVOLT-2.5V	OM-CP-QUADVOLT	OM-CP-QUADVOLT-30V
Nominal Input Range	±100 mV	0 to 2.5V	0 to 15 V	0 to 30
Measurement Range	±150 mV	-0.25 to 2.75 V	-1.0 to 16.0 V	-2.0 to 32.0 V
Resolution	5 µV	0.1 mV	0.5 mV	1.0 mV
Accuracy	±0.01% FSR	±0.01% FSR	±0.1% FSR	±0.1% FSR
Input Impedance	>1 KΩ*	>1 KΩ*	>10 KΩ	>10 KΩ
Overload Protection	±5 V	±5 V	±30 V	±48 V

* >1M Ω during acquisition

**OM-CP-QUADVOLT data logger
shown smaller than actual size**

**OM-CP-IFC200
Windows software
displays data
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tabular format**

To Order

Model No.	Description
OM-CP-QUADVOLT	4-channel voltage data logger, 15V input range
OM-CP-QUADVOLT-CERT	4-channel voltage data logger, 15V input range with NIST calibration certificate
OM-CP-QUADVOLT-2.5V	4-channel voltage data logger, 2.5V input range
OM-CP-QUADVOLT-2.5V-CERT	4-channel voltage data logger, 2.5V input range with NIST calibration certificate
OM-CP-QUADVOLT-30V	4-channel voltage data logger, 30V input range
OM-CP-QUADVOLT-30V-CERT	4-channel voltage data logger, 30V input rang with NIST calibration certificate
OM-CP-QUADVOLT-100MV	4-channel voltage data logger, ±100 mV input range
OM-CP-QUADVOLT-100MV-CERT	4-channel voltage data logger, ±100 mV input range 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-2	Replacement 2 position terminal block connector for the OM-CP-QUADVOLT-2.5V, OM-CP-QUADVOLT-15V and OM-CP-QUADVOLT-30V
OM-CP-CONNECTOR-3	Replacement 3 position terminal block connector for the OM-CP-QUADVOLT100MV

Comes complete with 9V lithium battery.

*Operator's manual and USB interface cable are included with the **OM-CP-IFC200** Windows software (software sold separately).*

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

***Ordering Example: OM-CP-QUADVOLT-CERT** 4-channel voltage data logger with NIST calibration certificate
and **OM-CP-IFC200** Windows software and USB interface cable.*

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