

OM-CP-QUADVOLT Series

4-Channel Voltage Data Loggers

Part of the NOMAD® Family

\$599
Basic Unit

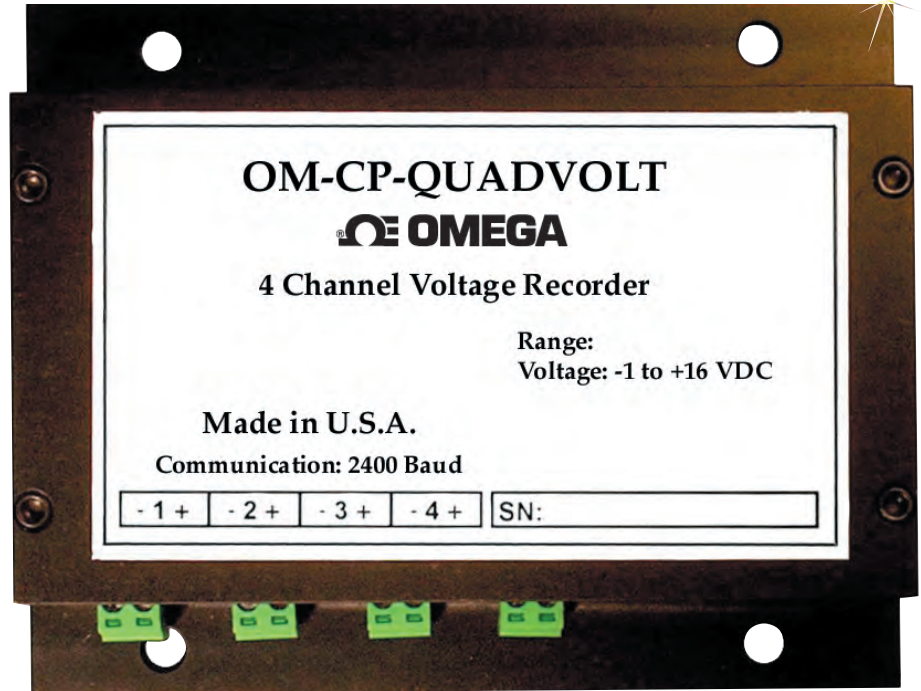


- ✓ 16-Bit Resolution
- ✓ Programmable Engineering Units, Scale Factor and Offset Value
- ✓ Memory Wrap Around
- ✓ Miniature Size
- ✓ User Calibration Through Software
- ✓ Real Time Operation

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.

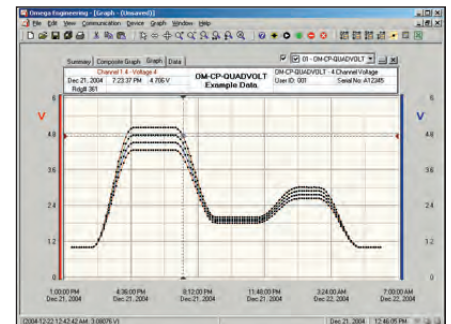
Specifications

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
Calibration Date: Automatically recorded within device to alert user when calibration is required



OM-CP-QUADVOLT data logger, \$599, shown larger than actual size

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: 9 V 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)
Software: XP SP3/Vista and 7 (32-bit and 64-bit)
Operating Environment: -40 to 80°C (-40 to 176°F)
 5 to 95% RH non-condensing
Dimensions: 26 H x 111 W x 89 mm D (1.0 x 4.4 x 3.5")
Weight: 370 g (13 oz)
Material: Black anodized aluminum



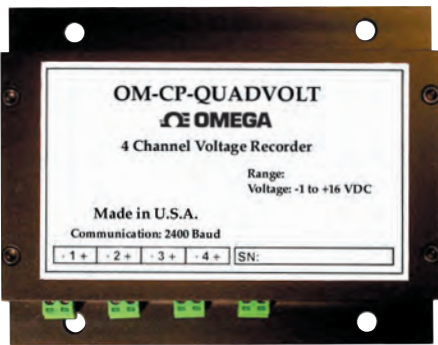
Time	Channel 1 Voltage	Channel 2 Voltage	Channel 3 Voltage	Channel 4 Voltage
1:00:00 PM Dec 21, 2004	4.185V	4.185V	4.185V	4.185V
4:36:00 PM Dec 21, 2004	4.185V	4.185V	4.185V	4.185V
8:10:00 PM Dec 21, 2004	4.185V	4.185V	4.185V	4.185V
11:46:00 PM Dec 21, 2004	4.185V	4.185V	4.185V	4.185V
3:24:00 AM Dec 22, 2004	4.185V	4.185V	4.185V	4.185V
7:00:00 AM Dec 22, 2004	4.185V	4.185V	4.185V	4.185V



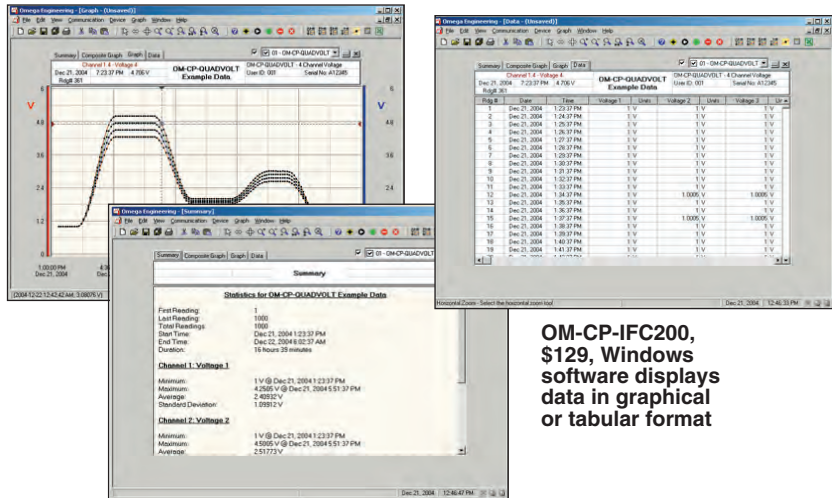
OM-CP-IFC200, \$119, Windows software displays data in graphical or tabular format

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, \$599, shown smaller than actual size



OM-CP-IFC200, \$129, Windows software displays data in graphical or tabular format

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

Model No.	Price	Description
OM-CP-QUADVOLT	\$599	4-channel voltage data logger, 15 V input range
OM-CP-QUADVOLT-CERT	659	4-channel voltage data logger, 15 V input range with NIST calibration certificate
OM-CP-QUADVOLT-2.5V	599	4-channel voltage data logger, 2.5 V input range
OM-CP-QUADVOLT-2.5V-CERT	659	4-channel voltage data logger, 2.5 V input range with NIST calibration certificate
OM-CP-QUADVOLT-30V	599	4-channel voltage data logger, 30 V input range
OM-CP-QUADVOLT-30V -CERT	659	4-channel voltage data logger, 30 V input range with NIST calibration certificate
OM-CP-QUADVOLT-100MV	599	4-channel voltage data logger, ±100 mV input range
OM-CP-QUADVOLT-100MV-CERT	659	4-channel voltage data logger, ±100 mV input range with NIST calibration certificate
OM-CP-IFC200	129	Windows software and 3.7 m (12') USB interface cable
OM-CP-BAT103	20	Replacement 9 V lithium battery
OM-CP-CONNECTOR-2	4	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	6	Replacement 3 position terminal block connector for the OM-CP-QUADVOLT100MV

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 and add \$100 to price. **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, \$659 + 129 = \$768.**



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• Flow and Level

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• pH and Conductivity

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• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters