

OM-CP-OCTVOLT 8-Channel Voltage Data Loggers

Part of the NOMAD® Family

Starts at
\$999



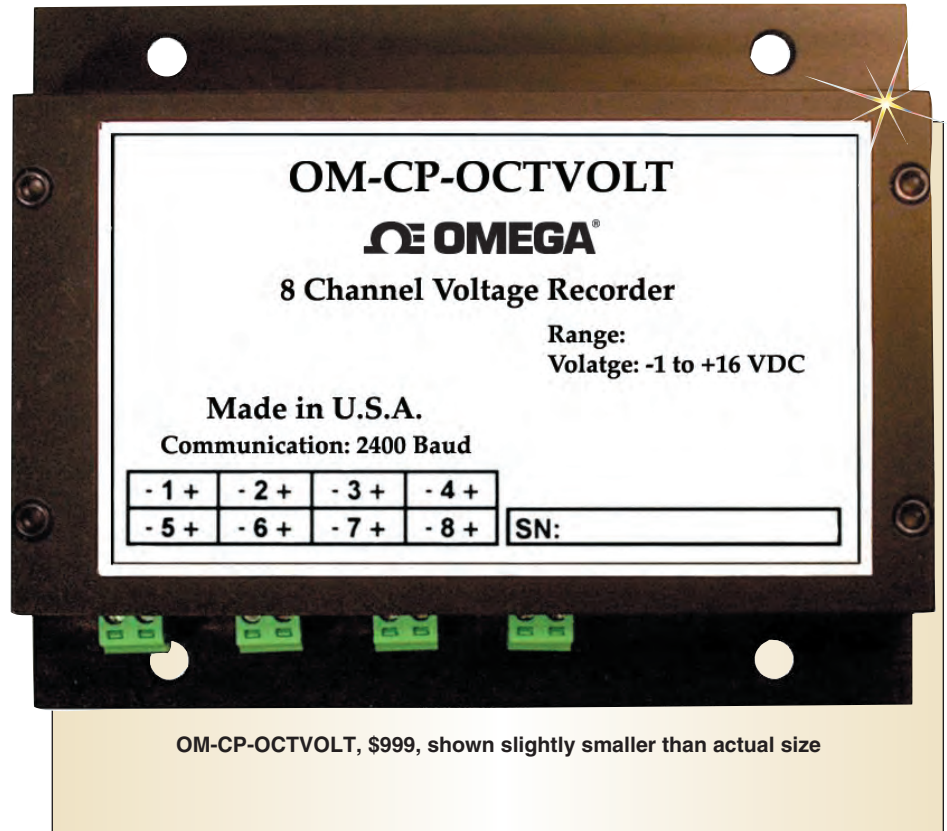
- ✓ 16-Bit Resolution
- ✓ Programmable Engineering Units, Scale Factor, and Offset Value
- ✓ Memory Wraparound
- ✓ User Calibration Through Software
- ✓ Real-Time Operation

The OM-CP-OCTVOLT Series is comprised of low-cost, high-resolution, miniature, battery-powered, standalone voltage input data loggers. In addition, the OM-CP-OCTVOLT allows the user to store predefined engineering units into the device, as well as scale factors and offset values. This lets the user easily linearize and scale a transducer that provides a voltage—automatically and in any user-required units. This capability is ideal for scaling a voltage output. The portable, easy to use

OM-CP-OCTVOLT will read and record up to 16,383 voltage measurements per channel.

The OM-CP-OCTVOLT represents a major leap 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. The device's small size allows it to fit almost anywhere.

Data retrieval is simple. Plug the device into an available COM port and our easy-to-use software does the rest.

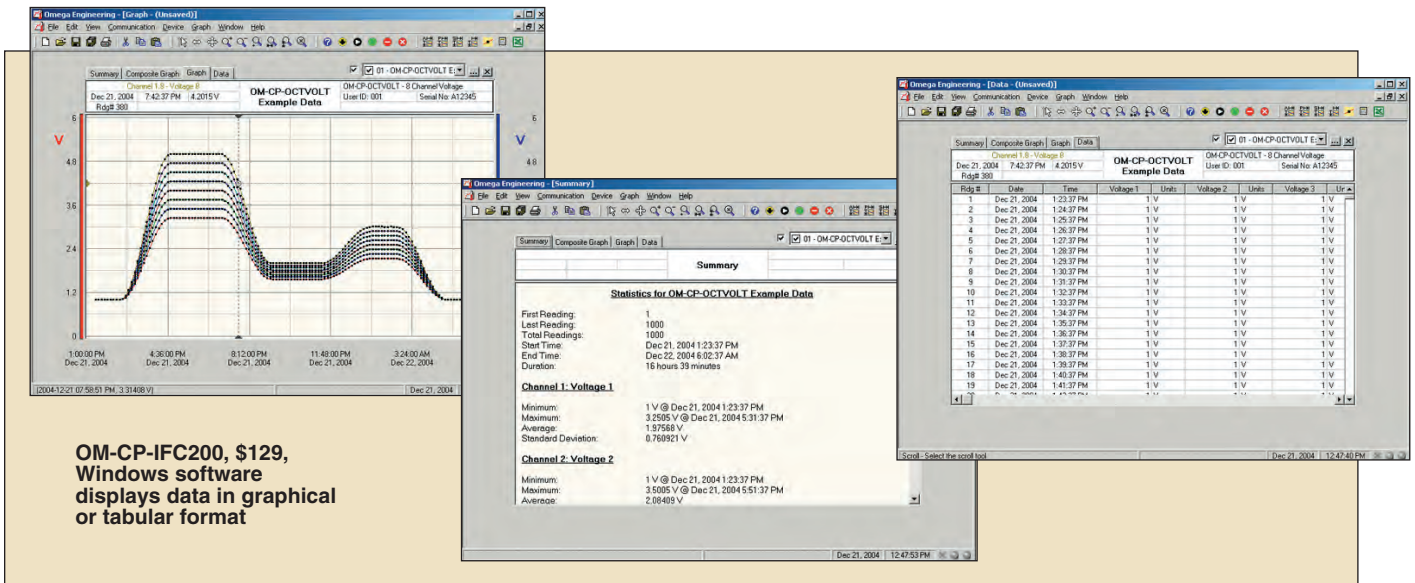


The software converts a PC into a real-time strip chart recorder. Data can be printed in graphical and tabular format or exported to a text or Microsoft Excel file.

Specifications

Input Channels: 8
Memory: 16,383 readings/channel
Input Connection: Removable screw terminal
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
Recording Interval: 1 second to 12 hours selectable in software
Start Time: Start time and date are programmable through software
Memory Wraparound: Selectable in software

Real-Time Recording: Device can be used with PC to monitor and record data in real-time
Time Accuracy: ±1 minute per month at 20°C
Power: 9 V lithium battery (included); 120 Vac power optional
Battery Life: 1 year typical
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) 0 to 95% RH non-condensing
Dimensions: 38 H x 111 L x 89 mm D (1.5 x 4.4 x 3.5")
Weight: 450 g (16 oz)
Material: Black anodized aluminum



INPUT RANGES	OM-CP-OCTVOLT-100MV	OM-CP-OCTVOLT-2.5V	OM-CP-OCTVOLT	OM-CP-OCTVOLT-30V
Nominal Input Range	±100 mV	0 to 2.5 V	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 uV	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

* >1 MΩ during acquisition

ALL MODELS AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)		
Model No.	Price	Description
OM-CP-OCTVOLT	\$999	8-channel voltage data logger, 15 V input range
OM-CP-OCTVOLT-CERT	1059	8-channel voltage data logger, 15 V input range with NIST calibration certificate
OM-CP-OCTVOLT-100MV	999	8-channel voltage data logger, ±100 mV input range
OM-CP-OCTVOLT-100MV-CERT	1059	8-channel voltage data logger, ±100 mV input range with NIST calibration certificate
OM-CP-OCTVOLT-2.5V	999	8-channel voltage data logger, 2.5 V input range
OM-CP-OCTVOLT-2.5V-CERT	1059	8-channel voltage data logger, 2.5 V input range with NIST calibration certificate
OM-CP-OCTVOLT-30V	999	8-channel voltage data logger, 30 V input range
OM-CP-OCTVOLT-30V-CERT	1059	8-channel voltage data logger, 30 V input range with NIST calibration certificate
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-2	4	Replacement 2 position terminal block connector for the OM-CP-OCTVOLT, OM-CP-OCTVOLT-2.5V, and OM-CP-OCTVOLT-30V
OM-CP-CONNECTOR-3	6	Replacement 2 position terminal block connector for the OM-CP-OCTVOLT-100MV

Operator's manual and USB cable are included with the **OM-CP-IFC200** Windows software, (required to operate the data logger and 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-OCTVOLT-CERT 8-channel voltage data logger with NIST calibration certificate and OM-CP-IFC200 Windows software with USB interface cable, \$1059 + 129 = **\$1188**.



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• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

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• 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