

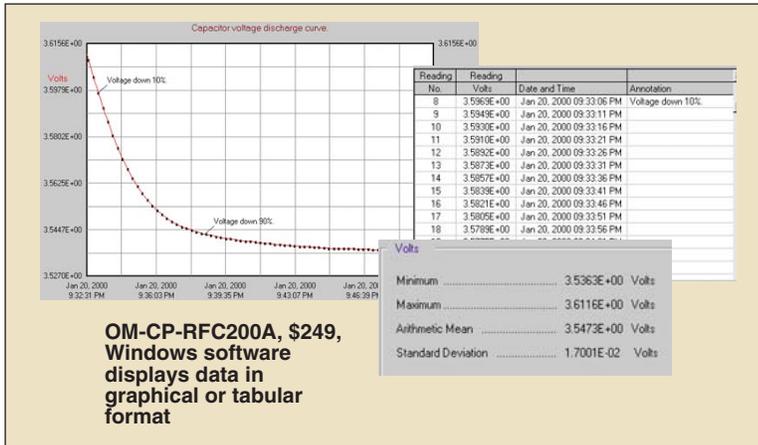
OM-CP-RFVOLT101A Wireless Voltage Transmitter

Part of the NOMAD® Family

\$249
Basic Unit



OM-CP-RF Series wireless voltage, current and pulse input transmitters also available. Visit omega.com for details.



OM-CP-RFVOLT101A, \$249, shown larger than actual size

- ✓ Multiple Transmitter Configurations
- ✓ Automatically Converts Your PC Into a Strip Chart Recorder
- ✓ Real Time Operation
- ✓ Software Configurable
- ✓ Programmable Engineering Units, Scale Factor and Offset Value
- ✓ Programmable Start Time

The OM-CP-RFVOLT101A is a battery powered voltage recorder and wireless transmitter. This is an all-in-one compact, portable, easy to use device that will measure and record voltage measurements. When enabled, the wireless transmitter will transmit readings back to the host computer where the data can be analyzed in real time.

These readings are also logged to the device's memory for added data security. The convenient slide switch allows the transmitter to be turned on or off without affecting the operation of the device. The device can be started, stopped and configured directly from your computer. Its small size allows it to fit almost anywhere.

In addition to the wireless communications, the OM-CP-RFVOLT101A makes data retrieval quick and easy. Simply plug the device into an available com port and our user-friendly software will handle 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

Input Connection: Screw terminal
Analog Conversion Time: 133 ms

Frequency Rejection: 60 MHz
Temperature Coefficient: <25 ppm/°C; < 10 ppm/°C typical
Specified Accuracy Range: Nominal range @ 25°C
Engineering Units: User may define unites up to 10 characters in length. This value is stored within the device
Scale Factor: User may program any desired scaling factor from ±1.000E-31 to ±9.999E+31. The scaling factor is stored within the device
Start Time: Software programmable start time and date. up to six months in advance.

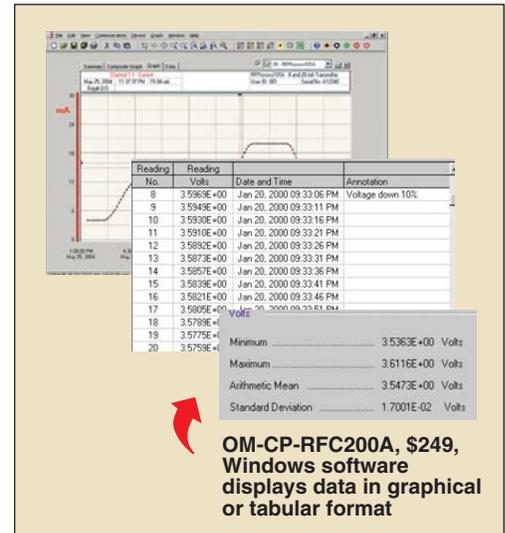


OM-CP-RFVOLT101A, \$ 249 shown smaller than actual size

Memory: 8191 readings
Reading Interval: 1 reading every 30 seconds to 1 every 12 hours
Calibration: Digital calibration through software
Data Format: Date and time stamped V, mV, uV, engineering units programmable through software
Time Accuracy: ±1 minute/month (at 20 to 30°C)
Computer Interface: PC serial, RS-232C COM or USB for receiver (interface cable required); 57,600 baud
RF Baud Rate: 4800 baud

RF Carrier Frequency: 418 MHz
Range: 36 m (120') line of sight
Power: 3.6 V lithium battery (included)
Battery Life: 1 year typical (1 minute reading rate @ 25°C)
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: 35 H x 64 W x 16 mm D (1.4 x 2.5 x 0.6 ")
Weight: 60 g (2 oz)

Input Table	OM-CP-RF VOLT101A-100MV	OM-CP-RF VOLT101A-15V	OM-CP-RF VOLT101A-30V
Voltage Range	±100 mV	-1.0 to + 16.0 V	-2.0 to 32.0 V
Resolution	5 μV	0.5 mV	1.0 mV
Calibrated Accuracy	±0.01% FSR	±0.10% FSR	±0.10% FSR
Input Impedance	>1 KΩ	>10 KΩ	>10 KΩ
Overload Protection	±5 V	±30 V	±48 V



OM-CP-RFC200A, \$249, Windows software displays data in graphical or tabular format

ALL MODELS AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)		
Model No.	Price	Description
OM-CP-RFVOLT101A-15V	\$249	Wireless voltage transmitter, -1.0 to 16.0V range
OM-CP-RFVOLT101A-15V-CERT	309	Wireless voltage transmitter, -1.0 to 16.0V range with NIST calibration certificate
OM-CP-RFVOLT101A-30V	249	Wireless voltage transmitter, -2.0 to 32.0V range
OM-CP-RFVOLT101A-30V-CERT	309	Wireless voltage transmitter, -2.0 to 32.0V range with NIST calibration certificate
OM-CP-RFVOLT101A-100MV	249	Wireless voltage transmitter, ±100 mV range
OM-CP-RFVOLT101A-100MV-CERT	309	Wireless low level voltage transmitter, ±100 mV range with NIST calibration certificate
OM-CP-RFC101A	199	Receiver package includes RF receiver, 1.2 m (4') RS-232 cable with DB9F termination, Windows software and operator's manual
OM-CP-RFC200A	249	Receiver package includes RF receiver, 3.7 m (12') USB cable, Windows software and operator's manual
OM-CP-BAT105	12	Replacement 3.6 V lithium battery
OM-CP-CONNECTOR-2	4	Replacement 2 position terminal block connector for the OM-CP-RFVOLT101A-15V and OM-CP-RFVOLT101A-30V
OM-CP-CONNECTOR-3	6	Replacement 3 position terminal block connector for the OM-CP-RFVOLT101A-100MV

Operator's manual, USB cable and receiving antenna are included with **OM-CP-RFC200A** Windows software (software is required to operate the data logger and is sold separately).

Ordering Example: OM-CP-RFVOLT101A-15V-CERT wireless voltage transmitter with NIST calibration certificate, OM-CP-RFC200A Windows software and USB cable with receiving antenna, \$309 + 249 = \$558.



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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

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• 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