

OM-CP-RFPROCESS101A Wireless Current mA Transmitter

Part of the NOMAD® Family

\$249

Basic Unit



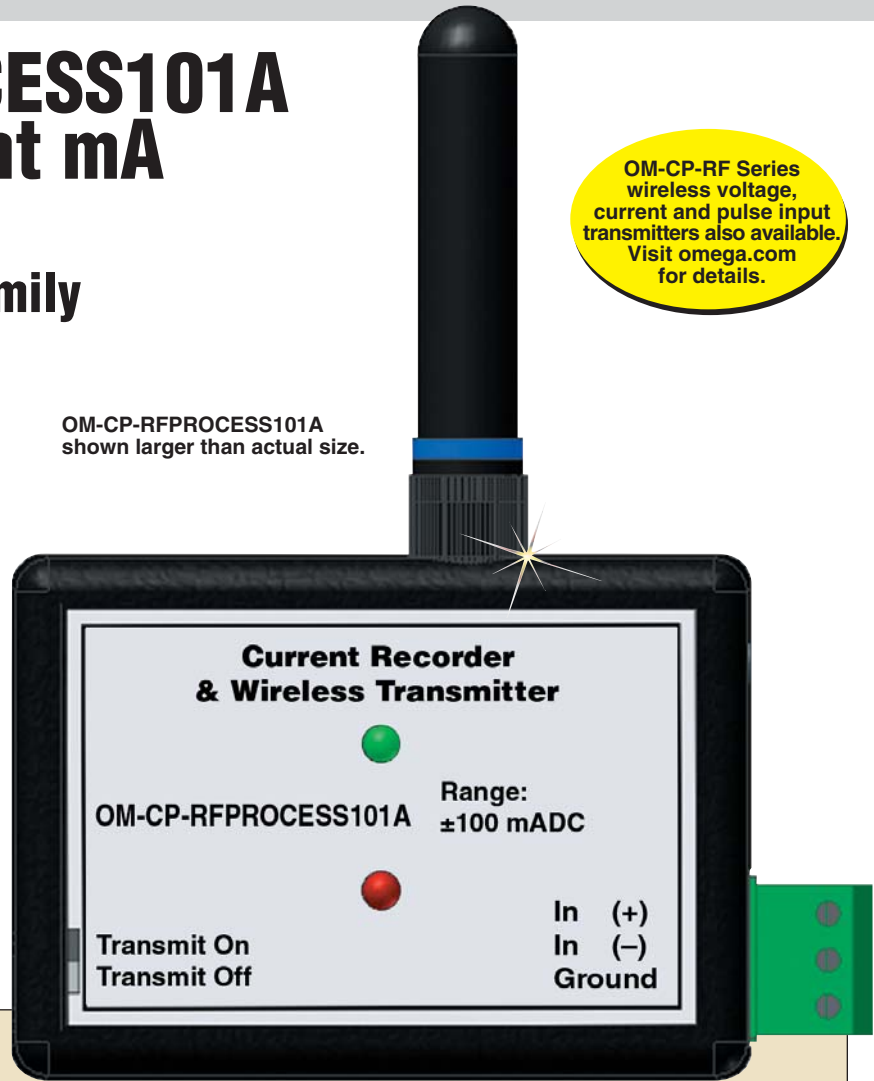
- ✓ Multiple Transmitter Configurations
- ✓ Automatically Converts Your PC Into a Strip Chart Recorder
- ✓ Memory Wrap Around
- ✓ Real Time Operation
- ✓ Software Programmable Scale Factor, Offset Value and Engineering Units

The OM-CP-RFPROCESS101A is a battery powered current recorder and wireless transmitter. This is an all-in-one compact, portable, easy to use device that will measure and transmit process 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-RFPROCESS101A makes data retrieval quick and easy. Simply plug the device into an empty COM port and our user-friendly software will handle 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.

OM-CP-RFPROCESS101A shown larger than actual size.

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



Statistics	
Minimum	4 mA
Maximum	20.01 mA
Average	10.9327 mA
Standard Deviation	5.40793 mA

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

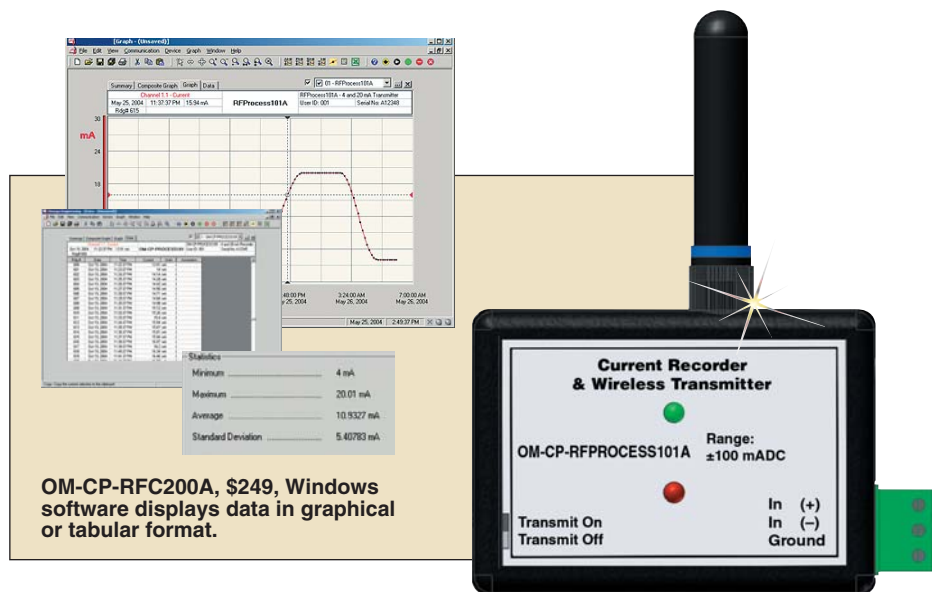
Specifications

Input Connection: Screw terminal
Analog Conversion Time: 133 ms
Frequency Rejection: 60 MHz
Temperature Coefficient: <100 ppm/°C; < 50 ppm/°C typical
Specified Accuracy Range: nominal range @ 25°C
Engineering Units: User may define units up to 10 characters in length (stored within the device)
Scale Factor: Software programmable; user may define any desired scale and offset from ±1.0000E-31 to ±9.9999E+31
Memory: 8191 readings

Reading Interval: Reading every 30 seconds to every 12 hours
Calibration: Digital calibration through software
Data Format: Date and time stamped, A, mA, µA, engineering units specified through software
Time Accuracy: ±1 minute/month at 20°C when RS-232 port is not in use
Computer Interface: PC serial, RS-232C COM or USB (interface cable required); 57,600 baud
RF Baud Rate: 4800 baud
RF Carrier Frequency: 418 MHz

Input Table	OM-CP-RF PROCESS101A-1MA	OM-CP-RF PROCESS101A-25MA	OM-CP-RF PROCESS101A-100MA
Nominal Range	±1 mA	±25 mA	±100 mA
Measurement Range	±1.25 mA	±30 mA	±1.20 mA
± Input Voltage Range	0 to 2.5 V	0 to 2.5 V	0 to 2.5 V
Resolution	0.05 µA	1 µA	5 µA
Calibrated Accuracy	±0.5% FSR	±0.1% FSR	±0.1% FSR
Input Impedance	50 Ω	10 Ω	2 Ω
Overload Protection	±20 mA	±100 mA	±125 mA

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)
Operating Environment:
-30 to 70°C (-22 to 158°F)
0 to 95% RH non-condensing
Software: XP SP3/Vista and 7
(32-bit and 64-bit)
Dimensions:
42 H x 68 W x 20 mm D
(1.7 x 2.7 x 0.8")
Weight: 60 g (2 oz)



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AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)		
Model No.	Price	Description
OM-CP-RFPROCESS101A-1MA	\$249	Wireless current transmitter, ±1 mA range
OM-CP-RFPROCESS101A-1MA-CERT	309	Wireless current transmitter with NIST calibration certificate, ±1 mA range
OM-CP-RFPROCESS101A-25MA	249	Wireless current transmitter, ±25 mA range
OM-CP-RFPROCESS101A-25MA-CERT	309	Wireless current transmitter with NIST calibration certificate, ±25 mA range
OM-CP-RFPROCESS101A-100MA	249	Wireless current transmitter, ±100 mA range
OM-CP-RFPROCESS101A-100MA-CERT	309	Wireless current transmitter with NIST calibration certificate, ±100 mA range
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-3	6	Replacement 3 position terminal block connector

The OM-CP-RFC200A receiver package is required to operate the wireless transmitter.

Ordering Example: OM-CP-RFPROCESS101A-25MA-CERT wireless current transmitter with NIST calibration certificate, and 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

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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