



Counter, Totalizer, Event Transmitter Part of the NOMAD® Family

OM-CP-RFPULSE101A

Starts at

\$249



- ✓ Programmable Engineering Units
- ✓ Automatically Converts your PC into a Strip Chart Recorder
- ✓ Low Battery Warning
- ✓ Interfaces to Tipping Bucket Rain Gauges or Pulse Output Flow Meters
- ✓ Real Time Operation
- ✓ Programmable Scale Factor/Offset Value
- ✓ Miniature Size

The OM-CP-RFPULSE101A is a low-cost transmitting device that will sense a pulse input or contact closure from external sources such as transducers or pulse initiators (gas, water, and electric meters) and transforms those inputs into engineering units such as gallons/minute. Once activated the OM-CP-RFPULSE101A senses and transmits the number of pulses/contact closures that occur within adjacent "time bin" periods. The bin period is 30 seconds to 12 hours. At the end of each bin period, the total number of pulses/counts is transmitted. The OM-CP-RFPULSE101A then starts another bin period. It will also transmit the current status of its input. This is ideal for recording the status of a contact closure. Data is received at the PC using our receiving antenna that attaches directly to the serial port. All received data is time and date stamped and stored directly in your PC. Transmitted data is 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 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

Maximum Pulse Rate: 100 Hz
Minimum Input Active (Low) Time: 4 ms
Minimum Input Inactive (High) Time: 4 ms
Input Signal: TTL, dry contact, internal pullup, +30 Vdc max

Input Low Signal: < 0.4 Vdc
Input High Signal: < 2.7 Vdc
Input Connection: Screw terminal
Input Impedance: > 1 KΩ

Readings: 4095 readings with selectable memory wrap
Recording Interval: 30 seconds to 12 hours, selectable in software

Range: 36 m (120') line if sight
RF Baud Rate: 4800 baud
RF Carrier Frequency: 418 MHz
RF Transmitter

Operation: Configurable in software

RF Transmission Interval: 30 seconds to 12 hours, selectable in software

Start Time: Start time and data programmable through software, up to six months in advance
Real Time Recording: Device may be used with PC to monitor and record data in real time

Engineering Units: Stored in device, user may define any desired scale and offset from ±1.0000E-31 to ±9.9999E+31

Power: 3.6 V lithium battery (included)

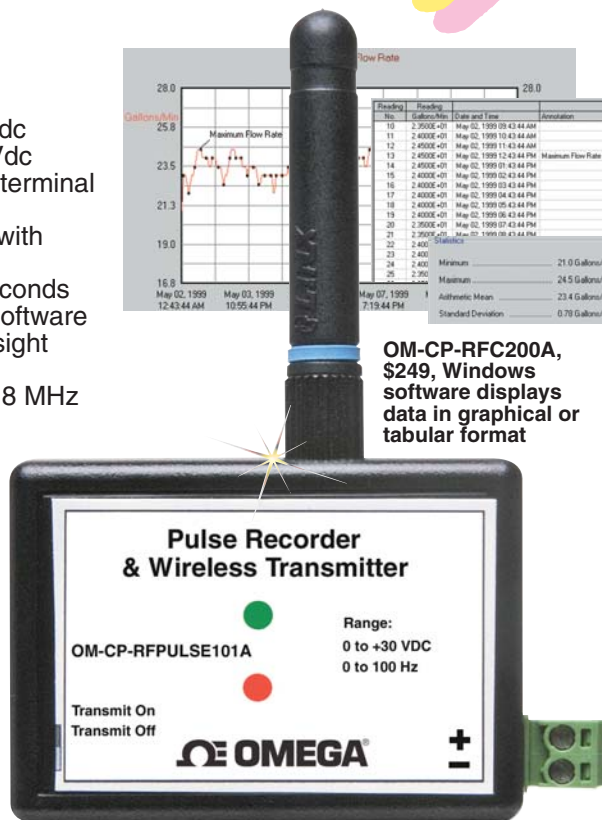
Battery Life: At 15 minute reading rate, 25°C: up to 6 months (100 Hz input, 10% duty cycle); up to 1 year (25 Hz input, 10% duty cycle); up to 5 years (1 Hz input, 1% duty cycle)

Time Accuracy: ±1 minute/month (at 20 to 30°C)

Data Format: Date and time stamped pulses, other engineering units programmable through software



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



OM-CP-RFPULSE101A, \$249, data logger shown larger than actual size

Direct Computer Interface:

PC serial, RS-232C COM or USB (interface cable required), 57600 baud

Software: XP SP3/Vista and 7 (32-bit and 64-bit)

Operating Environment: -20 to 80°C (-4 to 176°F)

5 to 95% RH non-condensing

Dimensions: 35 x 54 x 15mm (1.4 H x 2.15 W x 0.6 D)

Enclosure: ABS plastic

AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)		
Model No.	Price	Description
OM-CP-RFPULSE101A	\$249	Wireless counter/totalizer/event data logger
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

Operator's manual and USB cable are included with the OM-CP-RFC200A Windows software (software sold separately).

Ordering Example: OM-CP-RFPULSE101A wireless counter/totalizer/event transmitter and OM-CP-RFC200A Windows software and USB cable with receiving antenna, \$249 + 249 = \$498.



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