



Counter/Totalizer/Event Dataloggers

Part of the NOMAD® Family OM-CP-PULSE101 and OM-CP-PULSE110

Basic Unit



- ✓ Programmable Engineering Units
- ✓ Programmable Scale Factor/Offset Value
- ✓ Memory: 16,383 Readings
- ✓ Memory Wrap Around
- ✓ Miniature Size
- ✓ Interfaces to Pulse Output Flow Meters
- ✓ Real Time Operation

The OM-CP-PULSE101 and OM-CP-PULSE110 are low-cost recording devices that will sense a pulse input or contact closure from external sources such as transducers or pulse initiators (gas, water, and electric meters) and transform those inputs into engineering units. In addition, these dataloggers allow the user to store user defined units such as gallons/min 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 pulse or contact closure output to any user required units automatically. Once activated the datalogger senses and records the number of pulses/contact closures that occur within adjacent "time bin" periods. The bin period is selectable from 1 second to over 24 hours. At the end of each bin period, the total number of pulses/counts within the bin period is recorded. The datalogger then starts another bin period and continues until either the memory is full or the test period has ended. Its real time clock ensures that all data is time and date stamped. This is ideal for recording events. The storage medium is non-volatile solid state memory, providing maximum data security even if the battery becomes

*OM-CP-PULSE101 is CE approved only



OM-CP-PULSE101 and OM-CP-PULSE110 dataloggers shown larger than actual size



discharged. Its small size allows it to fit almost anywhere. Data retrieval is simple. Plug it into an empty 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

Maximum Pulse Rate: 100 per second
Minimum Pulse Width/Contact Closure Time: 1.0 msec
Input Signal: TTL, internal pull-up, +30 V max
Input Connection: screw terminal
Input Impedance: >1 KΩ
Recording Interval: 2 seconds to 12 hours selectable in software
Real Time Recording: device may be used with PC to monitor and record data in real time
Green Visual Indicator: LED flashes at selected reading rate
Power: 3.6 V lithium battery included

Battery Life:

OM-CP-PULSE101: 1 year at 1 min reading rate

OM-CP-PULSE110: up to 10 years (dependant on reading rate)

Time Accuracy: ±1 minute/month when RS-232 port is not in use

Data Format: date and time stamped, pulse counts, other units programmable through software

Weight:

OM-CP-PULSE101: 30 g (1 oz)

OM-CP-PULSE110: 60 g (2 oz)

Computer Interface: PC serial or RS-232C COM

Communications:

OM-CP-PULSE101: 2400 baud

OM-CP-PULSE110: 57600 baud

Software: Windows 95/98/NT/2000/XP

Operating Environment:

-40 to 80°C (-40 to 176°F)

5 to 95% RH non-condensing

Dimensions:

OM-CP-PULSE101:
36 H x 56 W x 16 mm D
(1.4 x 2.2 x 0.6")

OM-CP-PULSE110:
43 H x 69 W x 20 mm D
(1.7 x 2.7 x 0.8")

To Order (Specify Model Number)

Model No.	Description
OM-CP-PULSE101	Counter/totalizer/event datalogger with 1-year battery life (CE approved)
OM-CP-PULSE110	Counter/totalizer/event datalogger with 10-year battery life
OM-CP-IFC110	Windows software and 1.2 m (4') RS-232 cable with DB9F termination
OM-CP-BAT105	Replacement 3.6 V lithium battery

Operator's manual and RS-232 cable are included with the OM-CP-IFC110 Windows software (software sold separately).

Ordering Example: OM-CP-PULSE101 counter/totalizer/event datalogger, OM-CP-IFC110 Windows software and RS-232 cable,