

# OM-CP-PULSE101 and OM-C-PULSE110

## Counter/Totalizer/Event Data Loggers

### Part of the NOMAD® Family

**\$99**  
Basic Unit

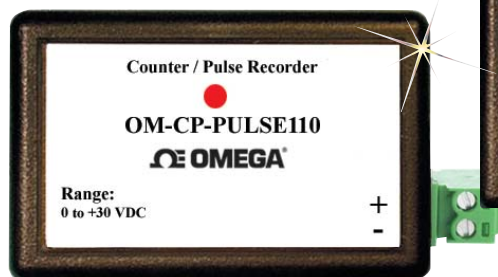


- ✓ Programmable Engineering Units
- ✓ Programmable Scale Factor/Offset Value
- ✓ Memory: 16,383 Readings
- ✓ Memory Wrap Around
- ✓ Miniature Size
- ✓ Interfaces to Pulse Output Flow Meters
- ✓ Real Time Operation

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 data loggers 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 data logger 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 data logger 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 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.

\*OM-CP-PULSE101 is CE approved only

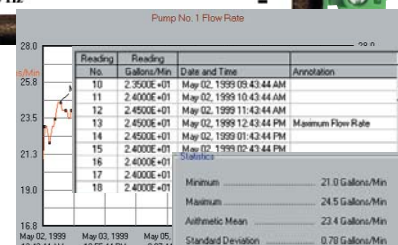
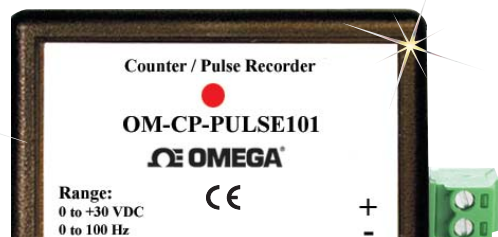


OM-CP-PULSE101, \$99 and OM-CP-PULSE110, \$199, data loggers shown larger than actual size

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:** 1 second 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



OM-CP-IFC110, \$99, Windows software displays data in graphical or tabular format

**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, RS-232C COM or USB

**Communications:**  
OM-CP-PULSE101: 2400 baud  
OM-CP-PULSE110: 57600 baud

**Software:**  
WIN98/NT/2000/XP/VISTA 32-bit (VISTA 32-bit version only; VISTA 64-bit is not supported)

**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")

**ALL MODELS AVAILABLE FOR FAST DELIVERY!**

| To Order (Specify Model Number) |       |                                                                            |
|---------------------------------|-------|----------------------------------------------------------------------------|
| Model No.                       | Price | Description                                                                |
| OM-CP-PULSE101                  | \$99  | Counter/totalizer/event data logger with 1-year battery life (CE approved) |
| OM-CP-PULSE110                  | 199   | Counter/totalizer/event data logger with 10-year battery life              |
| OM-CP-IFC110                    | 99    | Windows software and 1.2 m (4') RS-232 cable with DB9F termination         |
| OM-CP-IFC200                    | 119   | Windows software and 3.7 m (12') USB interface cable                       |
| OM-CP-BAT105                    | 12    | 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 data logger, OM-CP-IFC110 Windows software and RS-232 cable, \$99 + 99 = \$198.



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