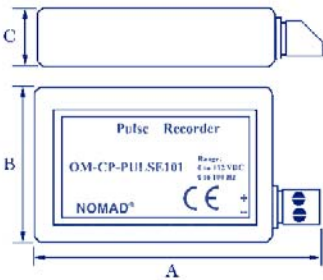


## NOMAD<sup>®</sup> FAMILY DATA-LOGGER

### OM-CP-PULSE101

#### COUNTER/TOTALISER EVENT DATALOGGER WITH OPTIONAL SOFTWARE



**Part No. OM-CP-PULSE101 (BASIC UNIT)**

**Part No. OM-CP-IFC110 (WINDOWS SOFTWARE WITH RS-232 CABLE)**

The OM-CP-PULSE101 is a low cost reading device that will sense a pulse input or contact closure from external sources such as transducers or pulse initiators (water, oil gas meters) and transform those inputs into engineering units. In addition, these dataloggers allow the user to store user defined units such as litres/min 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 discharged. Its small size allows it to fit almost anywhere. Data retrieval is simple, plug it into an empty COM port and the easy to use software does the rest. Data can be printed in graphical or tabular format and can be exported to a text or Microsoft Excel file.

MODEL	A	B	C
OM-CP-PULSE101	56	36	16

#### Features & Benefits

- CE marked.
- Miniature size.
- Programmable engineering units.
- Interfaces to pulse output flow meters.

#### Temperature & Humidity

Temperature Range:-  
-40°C to 80°C.  
Operating Humidity:-  
5 to 95% RH non-condensing.

#### SPECIFICATIONS

Maximum Pulse Rate	100 Per Second
Minimum Pulse Width/Contact Closure	1.0 msec
Input Signal	TTL, Internal Pull-up, +30V max
Input Connections	Screw Terminals
Input Impedance	>1 KΩ
Recording Interval	2 Seconds to 12 Hours Selectable In
Real Time Recording	Device May Be Used With PC To
Green Visual Indicator	LED Flashes At Selected Reading Rate
Power	3.6V Lithium Battery
Battery Life	1 Year At 1 Min Reading Rate
Time Accuracy	+1 Minute/Month When RS-232 Port Is
Date Format	Date & Time Stamped, Pulse Counts,
Computer Interface	PC Serial or RS-232C COM
Communications	2400 Baud
Software	Windows 95/98/NT/2000/XP