## Four-Channel State Recorder
### Part of the NOMAD® Family

## OM-CP-QUADSTATE

**5 YEAR WARRANTY**

✔ **Interfaces to Contact Closures or TTL Signals Up to 30V**
✔ **Real-Time Operation**
✔ **Programmable Start Time**
✔ **Programmable Engineering Units**
✔ **Memory Wraparound**
✔ **Miniature Size**

The OM-CP-QUADSTATE is a four-channel, battery-powered, standalone state recorder. This portable, easy to use device will read and record up to 52,428 state changes. The OM-CP-QUADSTATE senses input transitions or contact closures from external sources such as transducers and/or state initiators, and it records the time and input state of the device when a transition occurs. The storage medium is non-volatile solid state memory, providing maximum data security even if the battery becomes discharged. The device can be started and stopped directly from a computer and its small size allows it to fit almost anywhere.

The OM-CP-QUADSTATE makes data retrieval quick and easy. Simply plug it into an available COM port and our user-friendly software does the rest. The software converts a PC into a real-time strip chart recorder. Data can be printed in graphical and tabular format or exported to a text or Microsoft Excel file.

## Specifications
**Input Connection:**
4 removable screw terminals
**Input Low:** <0.4V
**Input High:** >2.7V
**Input Range:** 0 to 12 Vdc continuous; (0 to 30 Vdc peak)
**Duty Cycle Limitation:**
   **24 V:** 10%
   (<6 seconds per minute)
   **18 V:** 25%
   (<15 seconds per minute)
   **12 V:** 50%
   (<30 seconds per minute)
**Input Impedance:** >1 KΩ



**OM-CP-QUADSTATE data logger, shown smaller than actual size**

**Time Resolution:** 1 second (reading rate dependent)
**Engineering Units:**
User can define units up to 10 characters in length. This value is stored within the device.
**Scale Factor:** User can program any desired scaling factor from ±1.000E-31 to ±9.999E+31. The scaling factor is stored within the device.
**Start Modes:** Software programmable immediate start or delay start up to six months in advance
**Reading Rate:** 1 reading every second to 1 every 12 hours
**Memory:** 52,484 state changes; 209,936 total readings; software configurable memory wrap
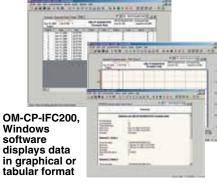**Real-Time Recording:** Can be used with PC to monitor and record data in real-time
**Calibration:** Digitial calibration through software
**Calibration Date:** Automatically recorded within device
**Power:** 9V lithium or alkaline battery included; user replaceable



**OM-CP-IFC200, Windows software displays data in graphical or tabular format**

**Battery:** 1 year typical
**Data Format:** Date and time stamped state changes (on/off); engineering units specified through software
**Time Accuracy:** ±1 minute/month (at 20°C, RS232 cable not in use)
**Computer Interface:** PC serial, or USB (interface cable required); 2400 baud
**Software:** XP SP3/Vista/7 and 8 (32 and 64-bit)
**Operating Environment:**
-20 to 60°C (-4 to 140°F)
0 to 95% RH non-condensing
**Dimensions:**
89 H x 112 W x 26 mm D
(3.5 x 4.4 x 1.0")
**Weight:** 370 g (13 oz)

| To Order | |
|---|---|
| **Model No.** | **Description** |
| **OM-CP-QUADSTATE** | 4-channel state data logger |
| **OM-CP-IFC200** | Windows software and 1.8 m (6') USB interface cable |
| **OM-CP-BAT103** | Replacement 9 V lithium battery |
| **OM-CP-CONNECTOR-2** | Replacement 2 position terminal block connector |

*Comes complete with 9V lithium battery.*
*Operator's manual is included with the* **OM-CP-IFC200** *Windows software and USB cable (required to operate the data logger and sold separately).*
*To order data loggers with optional 120 Vac power, add suffix* **"-AC"** *to model number, for additional cost.*
***Ordering Example: OM-CP-QUADSTATE** 4 channel state data logger and **OM-CP-IFC200** Windows software with USB cable.*

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