

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

### OM-CP-OCTSTATE



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

The OM-CP-OCTSTATE is a 8-channel, battery-powered, standalone state recorder. This portable, easy-to-use device that will measure and record up to 52,484 state changes. 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-OCTSTATE 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:** 8 removable screw terminals

**Input Low:** <0.4 V

**Input High:** >2.7 V

**Input Range:** 0 to 30 V

**Duty Cycle Limitation:**

**24 V:** 10%  
(<6 seconds per minute)

**18 V:** 25%  
(<5 seconds per minute)

**12 V:** 50%  
(<30 seconds per minute)

**Input Impedance:** > 1K  $\Omega$

**Time Resolution:** 1 second  
(reading rate dependent)

**Engineering Units:** User may define units up to 10 characters in length. This value is stored within the device.



OM-CP-OCTSTATE, data logger shown smaller than actual size

**Scale Factor:** User can program any desired scaling factor from  $\pm 1.000E-31$  to  $\pm 9.999E+31$ . The scaling factor is stored within the device.

**Start Time:** Software programmable start time and date, up to six months in advance

**Reading Interval:** 1 reading every second to 1 every 12 hours

**Memory:** 52,484 state changes

**Real-Time Recording:** May be used with PC to monitor and record data in real-time

**Calibration Date:** Automatically recorded within device

**Power:** 9V lithium or alkaline battery (included); 120 Vac power optional

**Battery:** 1 year typical

**Data Format:** Date and time stamped state changes (on/off); engineering units specified through software

**Time Accuracy:**  $\pm 1$  minute/month (at 20°C, RS-232 cable not in use)

**Computer Interface:** PC serial, RS-232C COM or USB (interface cable required); 2400 baud

**Software:** XP SP3/Vista/7 and 8 (32-bit and 64-bit)

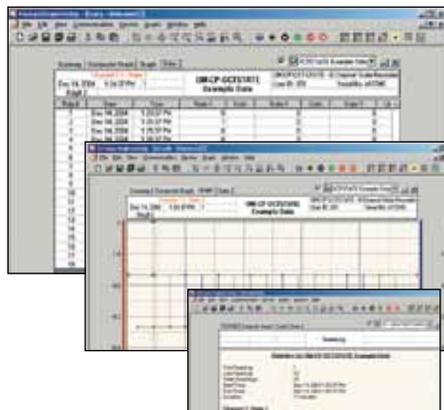
**Operating Environment:**

-20 to 60°C (-4 to 140°F)

0 to 95% RH non-condensing

**Dimensions:** 89 H x 112 W x 39 mm D (3.5 x 4.4 x 1.5")

**Weight:** 480 g (17 oz)



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

### To Order

Model No.	Description
OM-CP-OCTSTATE	8-channel state data logger
OM-CP-IFC200	Windows software and 1.8 m (6') USB interface cable
OM-CP-BAT103	Replacement 9V 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 and additional cost.

**Ordering Example:** OM-CP-OCTSTATE, 8-channel state data logger and OM-CP-IFC200 Windows software USB interface cable.

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