

# OM-CP-STATE101 and OM-CP-STATE110 State Data Loggers Part of the NOMAD® Family

**\$99**  
Basic Unit



- ✓ Miniature Size
- ✓ Real Time Operation
- ✓ Programmable Start Time
- ✓ User-Friendly
- ✓ Interfaces to Contact Closures or TTL Inputs up to 30 V

The OM-CP-STATE101 and OM-CP-STATE110 are miniature, low-cost, recording devices which sense input transitions or contact closures from external sources such as transducers and/or state initiators and records the time and input state of the device when a transition occurs. The device can store up to 13,107 time stamped state changes. Once activated the datalogger senses and records transition or state changes at the input. The device's real-time clock ensures that all data is time and date stamped. 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 your computer and its small size allows it to fit almost anywhere. Data retrieval is simple. Simply plug it into an available COM port and our user-friendly software does the rest.

## Specifications

**Input Connection:** Removable screw terminal

**Input Low:** < 0.4

**Input High:** > 2.7 V

**Input Range:** 0 to 30 Vdc

(see table for the recommended duty cycles for a high input over a one minute interval)

**Input Impedance:** > 1 K Ohm

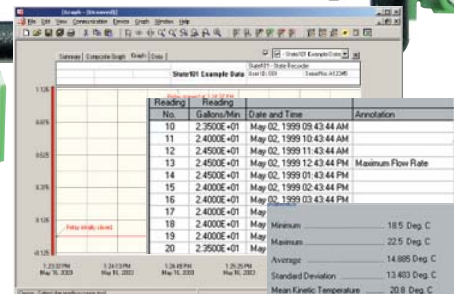
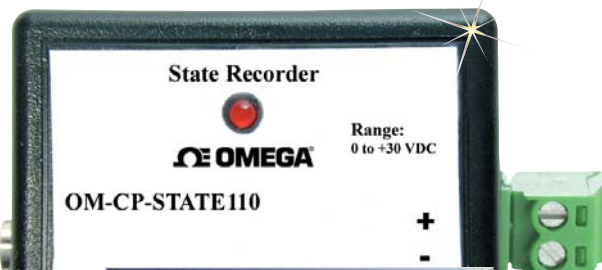
**Time Resolution:** 1 second (reading rate dependent)

**Visual Indicator:** LED flashes at selected reading rate

\* OM-CP-STATE101 is CE approved only



OM-CP-STATE101, \$99 and OM-CP-STATE110, \$199, data loggers shown smaller than actual size



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

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

**Memory:** 13,107 readings

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

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

**Battery Life:**

**OM-CP-STATE101:**  
1 year typical life at 25°C

**OM-CP-STATE110:**  
10 years at 25°C

**Power:** 3.6 V lithium battery included

**Data Format:** Date and time stamped state changes (on/off)

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

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

**Communications:**

**OM-CP-STATE101:** 2400 baud

**OM-CP-STATE110:** 57600 baud

**ALL MODELS AVAILABLE FOR FAST DELIVERY!**

**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-STATE101:**  
36 H x 64 W x 16 mm D  
(1.4 x 2.5 x 0.6")

**OM-CP-STATE110:**  
43 H x 69 W x 20 mm D  
(1.7 x 2.7 x 0.8")

**Weight:**

**OM-CP-STATE101:** 30 g (1 oz)

**OM-CP-STATE110:** 60 g (2 oz)

Voltage	Duty Cycle**
18 V	< 50%
24 V	< 25%
30 V	< 10%

Input signals > 12 V are not recommended if the input is normally high

\*\* Duty cycle over 1 minute interval

To Order (Specify Model Number)		
Model No.	Price	Description
OM-CP-STATE101	\$99	State data logger with 1-year battery life (CE approved)
OM-CP-STATE110	199	State 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
OM-CP-CONNECTOR-2	4	Replacement 2 position terminal block connector

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

**Ordering Example:** OM-CP-STATE101 state data logger and OM-CP-IFC110 Windows software and RS-232 cable, \$99 + 99 = \$198.

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