

# OM-CP-TEMP100, OM-CP-TEMP101 and OM-CP-TEMP110 Temperature Data Loggers

## Part of the NOMAD® Family

**\$79**

Basic Unit



OM-CP-TEMP100, \$109, OM-CP-TEMP101, \$79, and OM-CP-TEMP110, \$199, data loggers are shown larger than actual size



- ✓ Miniature Size
- ✓ Memory Size: 32,768 Readings
- ✓ Programmable Start Time or Push Button Start/Stop (Push Button Only on OM-CP-TEMP100)
- ✓ User Calibration Through Software
- ✓ Real Time Operation

The OM-CP-TEMP100, OM-CP-TEMP101 and OM-CP-TEMP110 are miniature, battery powered, stand-alone, temperature data loggers. These all-in-one compact, portable, easy-to-use devices will measure and record up to 32,768 temperature measurements. They can be started and stopped directly from your computer or through an externally accessible push button (push button start/stop only on OM-CP-TEMP100). These data loggers are a major leap forward in both size and performance. The 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. 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. 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

**Temperature Sensor:**

Semiconductor

**Temperature Accuracy:**

±0.5°C (0 to 50°C)

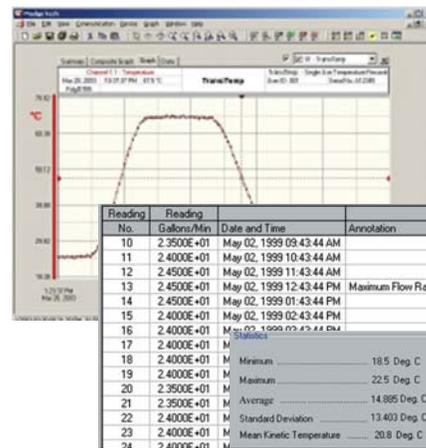
**Temperature Resolution:** 0.1°C

**Temperature Range:**

-40 to 80°C (-40 to 176°F)

**Temperature Calibration:**

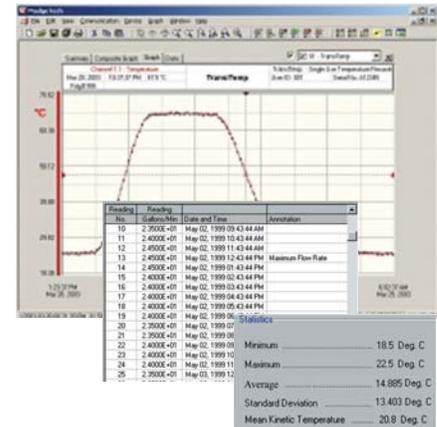
Digital calibration is available through software



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



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**Calibration Date:** Automatically recorded within device to alert user when calibration is required  
**Recording Interval:** 2 sec to 12 hrs selectable through software  
**Alarm:** Programmable high and low limits; alarm is activated when temperature goes outside limits (OM-CP-TEMP100 and OM-CP-TEMP101 only)  
**Real Time Recording:** Device may be used with PC to monitor and record data in real time  
**Green Visual Indicator:** LED flashes selected reading rate when device is recording data  
**Red Visual Indicator:** LED flashes at one second interval indicating alarm condition (OM-CP-TEMP100 and OM-CP-TEMP101 only)  
**Power:** 3.6 V lithium battery included  
**Battery Life:**  
 OM-CP-TEMP100 and OM-CP-TEMP101: 1 year at 1 min reading rate.  
 OM-CP-TEMP110: 10 years at 15 min reading rate.

**Time Accuracy:** ± minute/month when RS-232 port is not in use  
**Data Format:** Date and time stamped, °C, °F, °K, °R  
**Weight:**  
 OM-CP-TEMP100 and OM-CP-TEMP101: 30 g (1 oz)  
 OM-CP-TEMP110 60: g (2 oz)  
**Computer Interface:** PC serial, RS-232C COM or USB  
**Communications:**  
 OM-CP-TEMP100 and OM-CP-TEMP101: 2400 baud  
 OM-CP-TEMP110: 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-TEMP100 and OM-CP-TEMP101: 36 H x 56 W x 16 mm D (1.4 x 2.2 x 0.6")  
 OM-CP-TEMP110: 43 H x 69 W x 20 mm D (1.7 x 2.7 x 0.8")

**MOST POPULAR MODELS HIGHLIGHTED!**

To Order (Specify Model Number)		
Model No.	Price	Description
OM-CP-TEMP100	\$109	Temperature data logger with start/stop push button
OM-CP-TEMP100-CERT	169	Temperature data logger with start/stop push button with NIST calibration certificate
OM-CP-TEMP101	79	Temperature data logger with 1 year battery life
OM-CP-TEMP101-CERT	139	Temperature data logger with 1 year battery life with NIST calibration certificate
OM-CP-TEMP110	199	Temperature data logger with 10 year battery life
OM-CP-TEMP110-CERT	259	Temperature data logger with 10 year battery life with NIST calibration certificate
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 is required to operate the data logger and is sold separately).

\*Only model OM-CP-TEMP101 is CE approved.

Ordering Example: OM-CP-TEMP100-CERT temperature data logger with NIST calibration certificate and OM-CP-IFC110 Windows software and RS-232 cable, \$169 + 99 = \$268.



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### • Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

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