

Intrinsically Safe Temperature Data Logger Part of the **NOMAD®** Family

OM-CP-TEMP1000IS



- ✓ **Intrinsically Safe for Class 1, Div 1, Groups ABCD and Non-incendive for Class 1, Div 2, Groups ABCD Indoor/Outdoor (NEMA Type 4X, 6P) Locations**
- ✓ **Submersible to 46 m (150')**
- ✓ **User Calibration Through Software**
- ✓ **Programmable Start Time**
- ✓ **Real Time Operation**

The OM-CP-TEMP1000IS is a rugged, waterproof, battery powered, stand-alone device that can automatically record temperatures between -40 to 80°C (-40 to 176°F). This all-in-one compact, portable, easy to use device will measure and record up to 32,767 temperature measurements. The OM-CP-TEMP1000IS is ideal for use in harsh environments. Its real time clock ensures that all the 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. The OM-CP-TEMP1000IS makes data retrieval quick and easy. 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 file

Specifications

Temperature Sensor:

Semiconductor

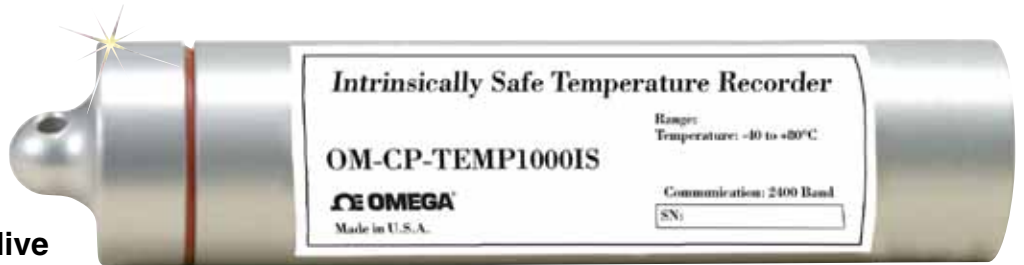
Temperature Range:

-40 to 80°C (-40 to 176°F)

Temperature Resolution: 0.1°C

Calibrated Accuracy: ±0.5°C
(0 to 50°C)

Start Time: Start time and date are programmable through software



OM-CP-TEMP1000IS shown slightly larger than actual size.

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

Temperature Calibration: Digital calibration through software

Recording Interval: 2 seconds to 12 hours selectable in software

Calibration Date: Automatically recorded within device to alert user when calibration is required

Power: 3.6 V lithium battery included

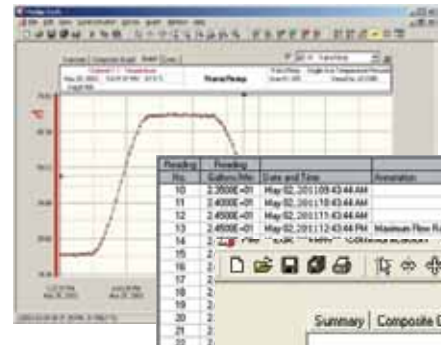
Battery Life: 1 year typical

Data Format: Date and time stamped, °C, °F, °K, °R

Time Accuracy: ±1 minute per month at 20°C when RS232 port is not in use

Computer Interface:

PC serial or USB (interface cable required) 2400 baud



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

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

Operating Environment:

-40 to 80°C (-40 to 176°F),

0 to 100% RH non-condensing

Dimensions: 108 dia x 26 mm L (4.3 x 1.0")

Weight: Aluminum: 110 g (4 oz)

Stainless: 230 g (8 oz)

To Order

Model No.	Description
OM-CP-TEMP1000IS	Intrinsically safe temperature data logger (aluminum case)
OM-CP-TEMP1000IS-CERT	Intrinsically safe temperature data logger with NIST calibration certificate (aluminum case)
OM-CP-TEMP1000IS-SS	Intrinsically safe temperature data logger (stainless steel case)
OM-CP-TEMP1000IS-SS-CERT	Intrinsically safe temperature data logger with NIST calibration certificate (stainless steel case)
OM-CP-IFC200	Windows software and 1.8 m (6') USB interface cable
OM-CP-BAT102	Replacement 3.6V lithium battery

Comes complete with 3.6V lithium battery. Operator's manual and USB interface cable are included with the **OM-CP-IFC200** Windows software (software is required to operate the data logger and is sold separately).

Ordering Example: **OM-CP-TEMP1000IS-CERT** Intrinsically safe temperature data logger with NIST calibration certificate and **OM-CP-IFC200** Windows software and USB cable.