Intrinsically Safe Temperature Data Logger

NEW

OM-CP-TEMP1000IS-A

5 YEAR WARRANTY | NIST *Optional* | CE | FM APPROVED

- ✔ **Intrinsically Safe for Class I, Division 1, Groups ABCD; Non-Incendive for Class I, Division 2, Groups ABCD Locations**
- ✔ **316 Stainless Steel Enclosure**
- ✔ **Compact Design**
- ✔ **Fast Response Time**
- ✔ **Faster Downloads (1 Minute Full Memory)**
- ✔ **Docking Station Communication**
- ✔ **Easily Identify Low Battery Voltage**

OM-CP-TEMP1000IS-A, shown actual size.

The new OM-CP-TEMP1000IS-A is an intrinsically safe temperature data logger certified for Class I, Division 1, Groups A, B, C, and D and non-incendive for Class I, Division 2 Groups A, B, C, D environments. This certification makes the device ideal for EtO Sterilization, environmental studies, medical and pharmaceutical and numerous other hostile environment applications.

The OM-CP-TEMP1000IS-A is a rugged, battery powered, standalone device which can be used to automatically record temperatures between -40 to 80°C (-40 to 176°F). This all in one compact, portable, easy-to-use device is able to measure and record up to 32,767 temperature measurements.

One of the enhancements to the OM-CP-TEMP1000IS-A is the stainless steel enclosure with engraved serial number and device name. The device interfaces with the OM-CP-IFC400 docking station or the OM-CP-IFC406 multiplexer data logger interface (sold separately) and can be placed directly into the dock for full communications. No more removal of end-caps to download data. The small size of the OM-CP-TEMP1000IS-A allows it to be placed in remote or hard to reach locations. The device now features a battery life indicator allowing users to easily identify low voltage and change batteries when required. This feature maximizes the use of your battery life and is a cost saving efficiency.

The OM-CP-TEMP1000IS-A utilizes the latest software. This allows for simple starting, stopping and downloading of collected data directly from your computer. Its real time clock ensures that all the data is time and date stamped. The storage medium is non-volatile memory, providing maximum data security even if the battery becomes discharged. Once the data has been downloaded, it can be viewed in graphic, tabular and summary form for easy analysis and can also be exported to Excel® for further data manipulation.

Specifications
TEMPERATURE

Temperature Sensor: Resistance Temperature Detector (RTD)
Temperature Range: -40 to 80°C (-40 to 176°F)
Temperature Resolution: 0.01°C
Calibrated Accuracy: ±0.5°C (0 to 50°C)

GENERAL

Start Modes: Software programmable immediate start or delay start up to 24 months in advance
Real Time Recording: May be used with PC to monitor and record data in real time
Memory: 32,767 readings
Password Protection: Yes
Reading Rate: 1 reading every 2 seconds up to 1 reading every 12 hours
Lethality Equations: Sterilization and pasteurization units are available in software
Calibration: Digital calibration through software
Calibration Date: Automatically recorded within device
Memory Wrap: Yes
Data Format: Date and time stamped °C, °F, K, °R
Battery Life: 2 years typical at 25°C (15 minute reading rate)
Battery Type: 3.6V lithium battery included, user replaceable
Time Accuracy: ±1 minute/month at 20°C
Computer Interface: OM-CP-IFC400 USB docking station or OM-CP-IFC406 multiplexer interface required; 125,000 baud
Software: Windows® XP SP3/Vista/7 and 8 (32-bit and 64-bit)
Operating Environment: -40 to 80°C (-40 to 176°F), 0 to 95% RH (non-condensing)
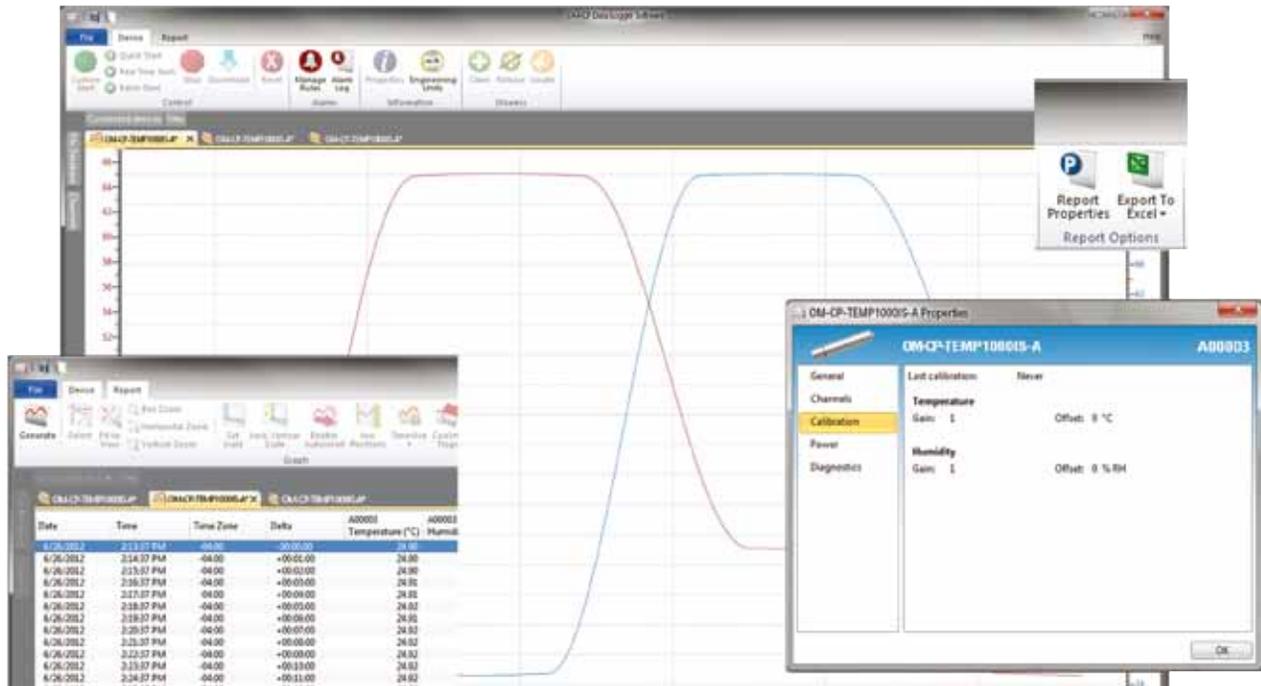**Dimensions:** 67.3 L x 24.6 mm dia (2.65 x 0.97")
Weight: 85 g (3.0 oz)
Material: 316 Stainless Steel

OM-CP-TEMP1000IS-A
data logger and OM-CP-IFC400
docking station shown actual size.

OM-CP-IFC406 multiplexer
data logger interface, shown
smaller than actual size.

OM-CP-IFC400 software displays data in either graphical or tabular formats.

To Order	
Model No.	**Description**
OM-CP-TEMP1000IS-A	Intrinsically safe temperature data logger
OM-CP-TEMP1000IS-A-CERT	Intrinsically safe temperature data logger with NIST calibration certificate [25°C (77°F)]
OM-CP-IFC400	Docking station (for single data logger) with USB cable, software and manual
OM-CP-IFC406	Multiplexer data logger interface (accepts up to 6 data loggers) with USB cable, software and manual
OM-CP-BAT102	Replacement 3.6V lithium battery
OM-CP-SVP-SYSTEM	FDA 21 CFR part 11 compliant IQ/OQ/PQ secure software validation workbook and software package (unlimited users, license per computer)

Comes complete with 3.6V lithium battery. Operator's manual and USB interface cable are included with the OM-CP-IFC400 software/cable package or OM-CP-IFC406 multiplexer (required for data logger operation), sold separately.
Ordering Example: OM-CP-TEMP1000IS-A *intrinsically safe temperature data logger.*