

Rugged Temperature Data Logger with 1" Integral Probe Part of the NOMAD® Family



OM-CP-TEMP1000S data logger, shown slightly larger than actual size.

OM-CP-TEMP1000S



- ✓ Rugged Stainless Steel Construction
- ✓ Memory Size: 32,767 Readings
- ✓ Programmable Start Time
- ✓ User Calibration Through Software
- ✓ Real Time Operation

The OM-CP-TEMP1000S temperature logger is a rugged, waterproof, battery powered, stand-alone device used for automatically recording temperatures from -40 to 150°C (-40 to 302°F). This all-in-one compact, portable, easy-to-use device will measure and record up to 32,767 temperature measurements. It includes a 1" rigid external probe and is ideal for use in harsh environments.

The OM-CP-TEMP1000S is a major leap forward in both size and durability. Its 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 available COM port and the easy-to-use Windows 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 also be exported to a text or Microsoft Excel file.

Specifications

TEMPERATURE CHANNEL

Temperature Sensor:

100 Ω platinum RTD

Temperature Range:

-40 to 150°C (-40 to 302°F)

Temperature Resolution: 0.05°C

Calibrated Accuracy: ±0.5°C

(0 to 50°C)

GENERAL SPECIFICATIONS

Temperature Calibration:

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

Start Time: Start time and date are programmable through software up to 6 months in advance

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

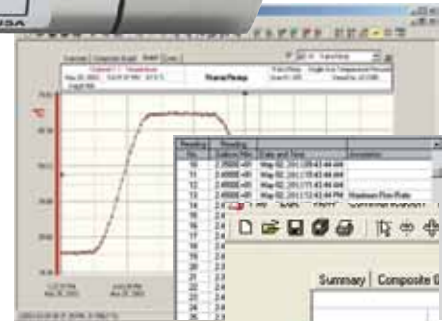
Memory: 32,767 readings

Recording Interval: 2 seconds to 12 hours selectable in software

Power: 3.6V lithium battery included (not field installable)

Battery Life: 1 year typical (15 minute reading rate @ 25°C)

Time Accuracy: ±1 minute per month at 20°C when RS-232 port is not in use



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

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

Computer Interface:

PC serial or USB (interface cable required); 2400 baud

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

Operating Environment:

-40 to 150°C (-40 to 302°F), 0 to 100% RH non-condensing

Dimensions

Body: 122 L x 26 mm dia (4.8 x 1.0")

Probe: 26 L x 5 mm dia (1.0 x 0.187")

Weight: 255 g (8 oz)

Enclosure: 303 stainless steel

To Order	
Model No.	Description
OM-CP-TEMP1000S	Temperature data logger with 1" integral probe
OM-CP-TEMP1000S-CERT	Temperature data logger with 1" integral probe and NIST calibration certificate
OM-CP-IFC200	Windows software and 1.8 m (6') USB interface cable
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 battery. Operator's manual and USB interface cable are included with the OM-CP-IFC200 Windows software (required to operate the data logger and sold separately).

The entire data logger/probe assembly is not submersible. Only the probe portion can be immersed (do not immerse the probe past the joint area where it connects into the body of the data logger as this joint area can be penetrated by liquid).

Ordering Example: OM-CP-TEMP1000S-CERT temperature data logger with integral probe with NIST calibration certificate and OM-CP-IFC200 Windows software and USB interface cable.