



OM-CP-TEMP1000FP Rugged Temperature Data Logger with 0.31m (12") Flexible Probe Part of the NOMAD® Family



OM-CP-TEMP1000FP, \$449, shown smaller than actual size.

\$499

Basic Unit



OM-CP-THERMOVAULT1000-FP, high temperature data logging system with OM-CP-TEMP1000FP data logger enclosed in thermal shield, \$1599

- ✓ Rugged Stainless Steel Construction
- ✓ Programmable Start Time
- ✓ Real-Time Operation
- ✓ User Calibration Through Software
- ✓ Optional Thermal Shield for Model OM-CP-TEMP1000FP Allows Operation up to 350°C (662°F)



OM-CP-THERMOVAULT1000-FP, shown open with OM-CP-TEMP1000FP data logger exposed.

The OM-CP-TEMP1000FP is a rugged, waterproof, battery powered, stand-alone high temperature recorder with a 0.3 m (1') flexible probe.

This is an all-in-one compact, portable, easy to use device that will measure and record up to 32,767 measurements.

The OM-CP-TEMP1000FP is ideal for use in harsh environments. Its real time clock ensures that all data is date and time stamped.

The storage medium is non-volatile solid state memory, providing maximum data security even if the battery becomes discharged. Data retrieval is simple. Plug it into an available COM port and our 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 be exported to a text or Microsoft file.

Specifications

- Temperature Sensor:** 100 Ω Platinum RTD
- Temperature Range (Body):** -40 to 150°C (-40 to 302°F)
- Temperature Range (Probe):** -50 to 260°C (-58 to 500°F)
- Temperature Resolution:** 0.05°C
- Calibrated Accuracy:** 0.5°C
- Start Time:** Start time and date are programmable through software
- 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 (not field installable)
- 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 RS-232 port is not in use

Computer Interface: PC serial or USB COM (interface cable required) 2400 baud

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

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

Dimensions:

Probe: 3 dia x 300 mm L (0.125 x 12")

Logger:

Overall Length: 142 mm (5.6")

Diameter:

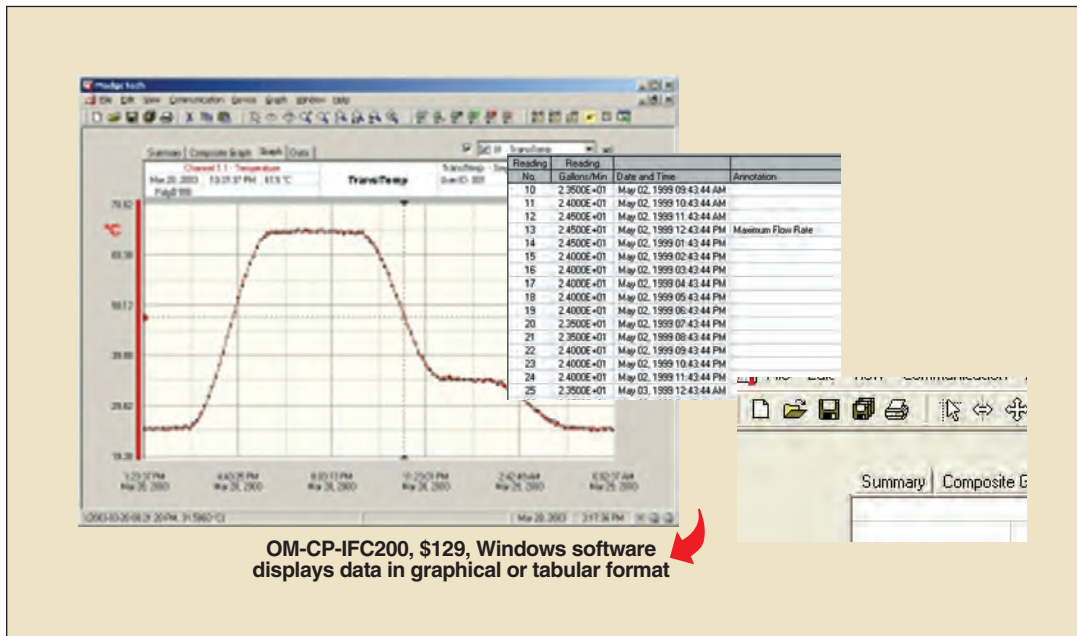
25 mm (1.0") for 100 mm L (3.95")
32 mm (1.25") for 42 mm L (1.65")

Material:

303 stainless steel (logger)

304 stainless steel (probe)

Weight: 320 g (11.3 oz)



Specifications (Thermal Shield)

Operating Environment:

-200 to 350°C (-328 to 662°F);
230°C (446°F) with O-ring,
0 to 100% RH

IP Rating: IP68

Insulation Type:

Dewar flask and PTFE

Access Port Thread:

1/4" NPT female

Enclosed Material: 304 SS

Dimensions:

235 mm L X 66 mm dia
(9.3 x 2.6")

Weight: 1.45 kg (3.2 lb)

OM-CP-THERMOVAULT1000-FP

(Thermal Shield with OM-CP-TEMP1000FP Data Logger)

Ambient Temperature °C	Time in Air to Max Internal Temp (min)	Time in Liquid to Max Internal Temperature (min)
100	-	-
150	-	-
200	540	-
250	390	130
300*	300	120
350*	270	-

* Contact Omega for these extended ranges

ALL MODELS AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)		
Model No.	Price	Description
OM-CP-TEMP1000FP	\$499	Temperature data logger w/integral probe
OM-CP-TEMP1000FP-CERT	559	Temperature data logger w/integral probe with NIST calibration certificate
OM-CP-THERMOVAULT1000-FP	1599	High temperature data logging system with OM-CP-TEMP1000FP data logger enclosed in thermal shield
OM-CP-THERMOVAULT1000-FP-CERT	1659	High temperature data logging system with OM-CP-TEMP1000FP data logger enclosed in thermal shield and NIST calibration certificate
OM-CP-IFC200	119	Windows software and 3.7 m (12') USB interface cable

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). 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-TEMP1000FP-CERT Temperature data logger with 0.31 m (1') flexible probe with NIST calibration certificate and OM-CP-IFC200 Windows software and USB interface cable, \$559 + 129 = **\$688**.



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