



OM-CP-TEMP1000P Temperature Data Logger with Integral Probe Part of the NOMAD® Family

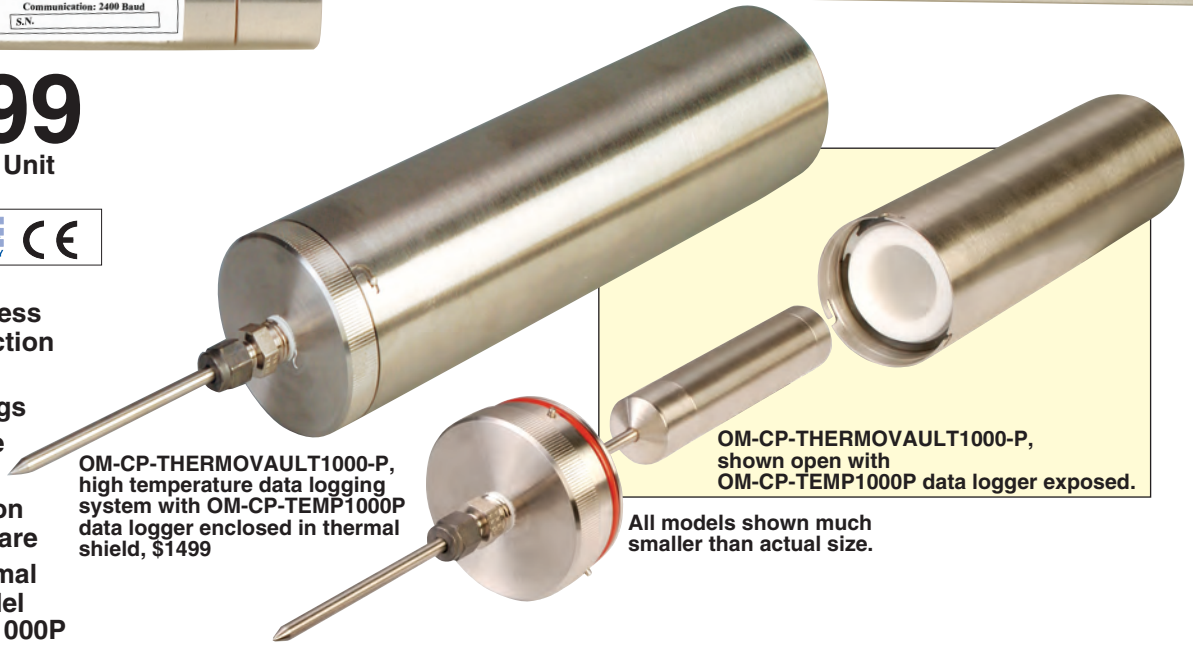


OM-CP-TEMP1000P, \$399,
Shown smaller than actual size

\$399
Basic Unit



- ✓ Rugged Stainless Steel Construction
- ✓ Memory Size: 32,767 Readings
- ✓ Programmable Start Time
- ✓ User Calibration through Software
- ✓ Optional Thermal Shield for Model OM-CP-TEMP1000P Allows Operation up to 350°C (662°F)



OM-CP-THERMOVAULT1000-P, high temperature data logging system with OM-CP-TEMP1000P data logger enclosed in thermal shield, \$1499

OM-CP-THERMOVAULT1000-P, shown open with OM-CP-TEMP1000P data logger exposed.

All models shown much smaller than actual size.

The OM-CP-TEMP1000P temperature logger is a water proof, battery powered, stand-alone device used for automatically recording temperatures from -100 to 250°C.

This all-in-one compact, portable, easy to use device will measure and record up to 32,767 temperature measurements. It includes an integral stainless steel temperature probe that provides a fast response time.

The OM-CP-TEMP1000P 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 empty 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

Calibrated Accuracy: ±0.5°C

Temperature Resolution: 0.05°C

Temperature Range: (Body)

-40 to 80°C (-40 to 176°F)

Temperature Measurement

Range: (Probe):

-100 to 260°C (-148 to 500°F)

GENERAL SPECIFICATIONS

Temperature Calibration:

Digital calibration through software

Calibration Date:

Automatically recorded within

device to alert user when

calibration is required

Recording Interval: 2 seconds to

12 hours selectable in software

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

Power: 3.6 V lithium battery

Battery Life: 1 year typical

Time Accuracy: ±1 minute per

month at 20°C when RS-232 port

is not in use

Data Format: Date and time

stamped, °C, °F, °K, °R,

Weight: 205 g (7.3 oz.)

Computer Interface:

PC serial or USB

Software: XP SP3/Vista and 7

(32-bit and 64-bit)

Operating Environment:

-40 to 80°C (-40 to 176°F),

0 to 100% RH non-condensing

Probe Diameter: 4.5 mm (0.2")

Probe Length: See To Order Table

for standard lengths*

Logger Dimensions:

26 mm dia x 115 mmL

(1.0 x 4.5")

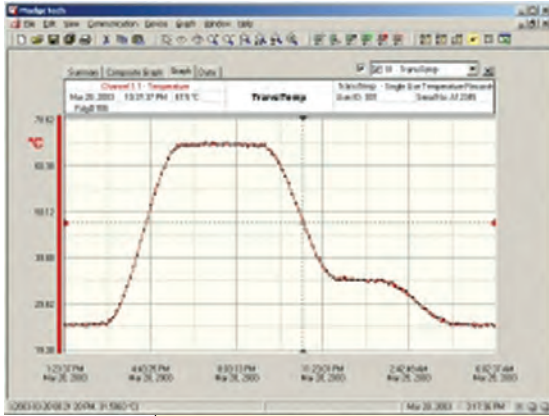
Response Time:

Water: 1 minute (to 95% of change)

Air: 10 minutes (to 95% of change)

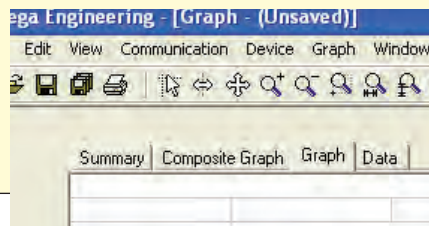
Material: 303 stainless steel

(logger) 304 stainless steel (probe)



Reading No.	Reading Gallons/Min	Date and Time	Annotation
10	2.3500E+01	May 02, 1999 09:43:44 AM	
11	2.4000E+01	May 02, 1999 10:43:44 AM	
12	2.4500E+01	May 02, 1999 11:43:44 AM	
13	2.4500E+01	May 02, 1999 12:43:44 PM	Maximum Flow Rate
14	2.4500E+01	May 02, 1999 01:43:44 PM	
15	2.4000E+01	May 02, 1999 02:43:44 PM	
16	2.4000E+01	May 02, 1999 03:43:44 PM	
17	2.4000E+01	May 02, 1999 04:43:44 PM	
18	2.4000E+01	May 02, 1999 05:43:44 PM	
19	2.4000E+01	May 02, 1999 06:43:44 PM	
20	2.3500E+01	May 02, 1999 07:43:44 PM	
21	2.3500E+01	May 02, 1999 08:43:44 PM	
22	2.4000E+01	May 02, 1999 09:43:44 PM	
23	2.4000E+01	May 02, 1999 10:43:44 PM	
24	2.4000E+01	May 02, 1999 11:43:44 PM	
25	2.3500E+01	May 03, 1999 12:43:44 AM	

OM-CP-IFC200, \$129, Windows software displays data in graphical or tabular format



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-P (Thermal Shield with OM-CP-TEMP1000P Data Logger)

Ambient Temperature °C	Time in Air to Max Internal Temp (min)	Time in Liquid to Max Internal Temperature (min)
100	600	130
150	315	120
200	240	75
250	180	60
300*	165	-
350*	150	-

* Contact Omega for these extended ranges

ALL MODELS AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)		
Model No.	Price	Description
OM-CP-TEMP1000P	\$399	Temperature data logger with 180 mm (7") long integral probe
OM-CP-TEMP1000P-CERT	459	Temperature data logger with 180 mm (7") long integral probe and NIST calibration certificate
OM-CP-TEMP1000P-1	399	Temperature data logger with 25 mm (1") long integral probe
OM-CP-TEMP1000P-1-CERT	399	Temperature data logger with 25 mm (1") long integral probe and NIST calibration certificate
OM-CP-TEMP1000P-12	399	Temperature data logger with 300 mm (12") long integral probe
OM-CP-TEMP1000P-12-CERT	399	Temperature data logger with 300 mm (12") long integral probe and NIST calibration certificate
OM-CP-THERMOVAULT1000-P	1499	High temperature data logging system with OM-CP-TEMP1000P data logger enclosed in thermal shield
OM-CP-THERMOVAULT1000-P-CERT	1519	High temperature data logging system with OM-CP-TEMP1000P data logger enclosed in thermal shield and NIST calibration certificate
OM-CP-IFC200	129	Windows software and 3.7 m (12') USB interface cable
OM-CP-BAT102	12	Replacement 3.6 V lithium battery

*Other probe lengths are available. Contact Engineering Department.

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-TEMP1000P-CERT** Temperature data logger with 180 mm (7") long integral probe with NIST calibration certificate and **OM-CP-IFC200** Windows software and USB interface cable, \$399 + 129 = **\$588**.



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