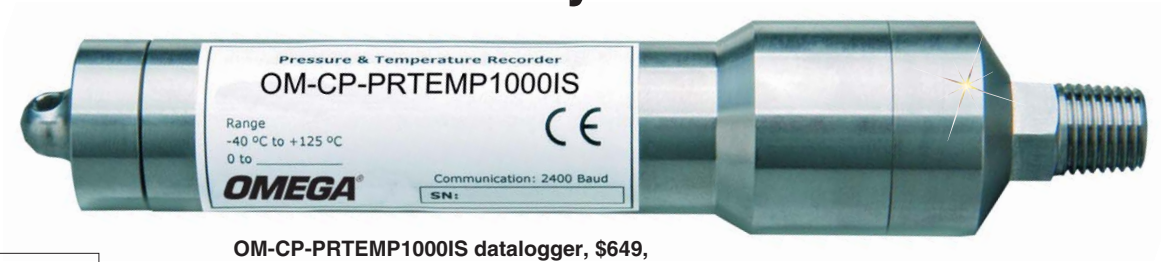
OM-CP-PRTEMP1000IS

Intrinsically Safe Rugged Temperature and Pressure Recorder Part of the NOMAD® Family

$649
Basic Unit



OM-CP-PRTEMP1000IS datalogger, $649, shown smaller than actual size.

- **Intrinsically Safe**
- **Rugged**
- **Submersible**
- **Programmable Start Time**
- **Real-Time Operation**
- **User-Friendly**
- **Low Cost**

The OM-CP-PRTEMP1000IS is a rugged pressure recorder that accurately monitors and records pressure and temperature at user programmable reading intervals. The OM-CP-PRTEMP1000IS has been Factory Mutual certified as intrinsically safe for Class I, Division 1, groups A, B, C and D and non-incendive for Class I, Division 2, groups A, B, C and D. This certification makes the device ideal for uses in hostile environment applications such as air conditioning systems, chilled water, hot water, air, gas, oil and steam pressure systems. The internal temperature sensor provides accurate temperature measurements without the need of a separate temperature recorder. The logger can be started to take measurements as often as every two seconds, up to one reading every twelve hours. It will store up to 16,383 readings in its non-volatile memory.

The OM-CP-PRTEMP1000IS uses a rugged stainless steel pressure strain gauge to accurately measure the pressure. The device comes standard with a common ¼" NPT fitting, which allows the logger to be adapted to almost any pressure fitting.

The OM-CP-PRTEMP1000IS is also available with a fully submersible adapter upon request. There are many different pressure ranges available to suit most any application.

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.

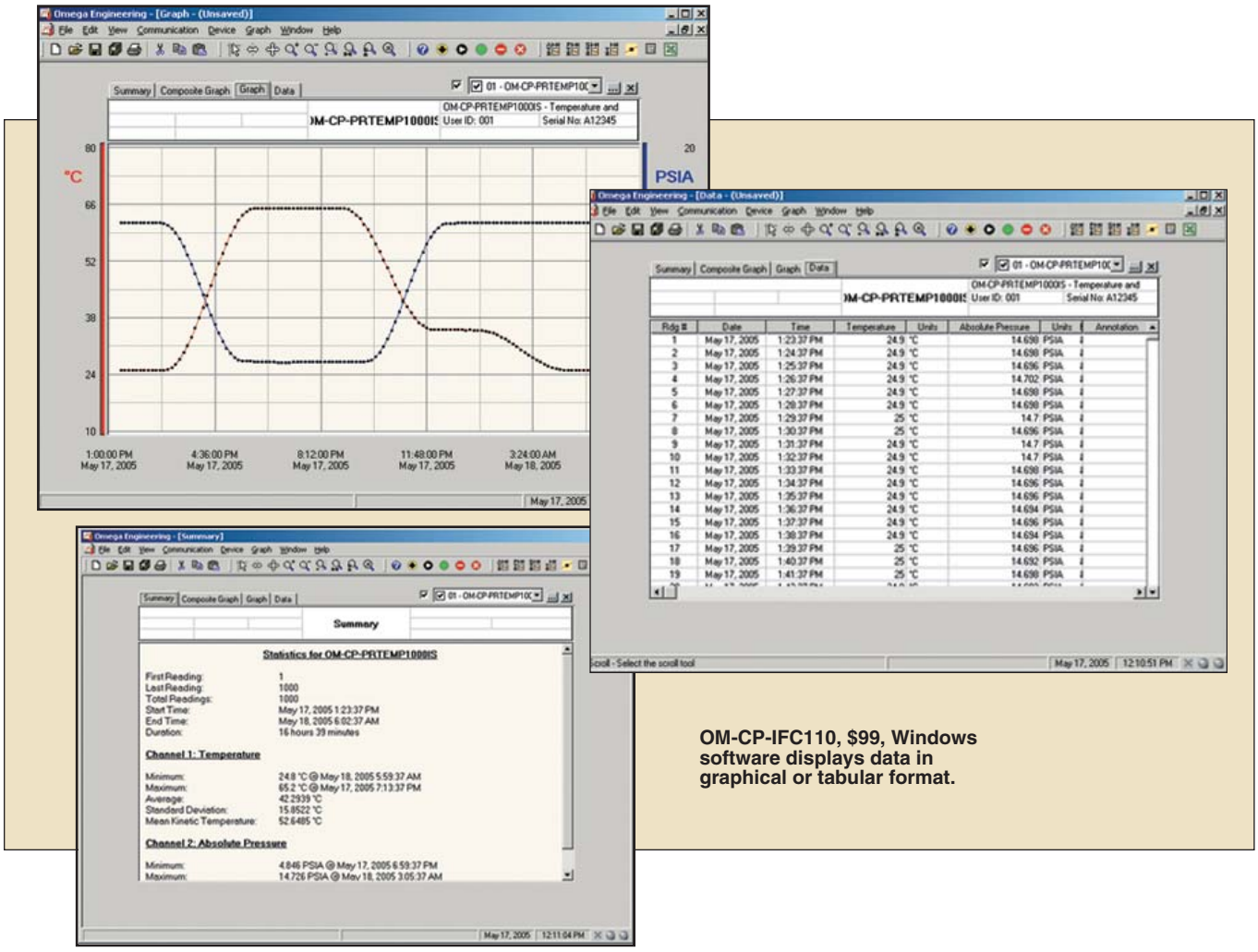
Specifications

Temperature Sensor: Semiconductor
Temperature Range: -40 to 80°C (-40 to 176°F)
Temperature Resolution: 0.1°C
Calibrated Accuracy: ±0.5°C
Pressure Sensor: Semiconductor strain gauge
Calibrated Accuracy: 2% FSR, 0.25% @ 25°C typical

Presssure Range	Resolution
0 to 30 psia	0.002 psia
0 to 100 psia	0.005 psia
0 to 300 psia	0.02 psia
0 to 500 psia	0.05 psia
0 to 1000 psia	0.05 psia
0 to 5000 psia	0.2 psia
0 to 30 psig	0.002 psig
0 to 100 psig	0.005 psig
0 to 300 psig	0.02 psig
0 to 500 psig	0.05 psig

Pressure Response Time: 0.1 ms (10 to 90% FSR)
Repeatability: ± 0.5% FSR; ± 0.2% typical
Adaptor: ¼" male NPT or fully submersible

Start Time: Software programmable start time and date, up to 6 months in advance
Real Time Recording: May be used with PC to monitor and record data in real time
Memory: 16,383 readings per channel
Reading Interval: 1 reading every 2 seconds, to 1 every 12 hours
Calibration: Digital calibration through software
Calibration Date: Automatically recorded within device
Power: 3.6 V lithium battery (included)
Battery Life: 1 year typical
Battery Shelf Life: Up to 1 year when device is not in use
Data Format: Date and time stamped °C, °F, °K, °R; PSIA(G), inches, feet, mmHg, bar, Torr, kPa
Time Accuracy: 1 minute/month at 20°C, (RS-232 port not in use)
Computer Interface: PC serial, RS-232C COM or USB (Interface cable required); 2400 baud
Software: WIN98/NT/2000/XP/VISTA 32-bit (VISTA 32-bit version only; VISTA 64-bit is not supported)
Operating Environment: -40 to 80°C (-40 to 176°F) 0 to 100% RH
Dimensions: 1.25 x 6.4" (32 x 163 mm)
Weight: 338 g (12 oz)
Material: Stainless Steel
Approvals: FM Certified Intrinsically Safe for Class I, Division 1 groups A, B, C and D and non-incendive for Class I, Division 2, groups A, B, C and D.



OM-CP-IFC110, $99, Windows software displays data in graphical or tabular format.

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ALL MODELS AVAILABLE FOR FAST DELIVERY!

To Order *(Specify Model Number)*

Model No.	Price	Description
OM-CP-PRTEMP1000IS-(*)-30-A	**$649**	Intrinsically safe pressure and temperature recorder, range: 0 to 30 psia
OM-CP-PRTEMP1000IS-(*)-30-G	**649**	Intrinsically safe pressure and temperature recorder, range: 0 to 30 psig
OM-CP-PRTEMP1000IS-(*)-100-A	**649**	Intrinsically safe pressure and temperature recorder, range: 0 to 100 psia
OM-CP-PRTEMP1000IS-(*)-100-G	**649**	Intrinsically safe pressure and temperature recorder, range: 0 to 100 psig
OM-CP-PRTEMP1000IS-(*)-300-A	**649**	Intrinsically safe pressure and temperature recorder, range: 0 to 300 psia
OM-CP-PRTEMP1000IS-(*)-300-G	**649**	Intrinsically safe pressure and temperature recorder, range: 0 to 300 psig
OM-CP-PRTEMP1000IS-(*)-500-A	**649**	Intrinsically safe pressure and temperature recorder, range: 0 to 500 psia
OM-CP-PRTEMP1000IS-(*)-500-G	**649**	Intrinsically safe pressure and temperature recorder, range: 0 to 500 psig
OM-CP-PRTEMP1000IS-(*)-1000-A	**649**	Intrinsically safe pressure and temperature recorder, range: 0 to 1000 psia
OM-CP-PRTEMP1000IS-(*)-5000-A	**649**	Intrinsically safe pressure and temperature recorder, range: 0 to 5000 psia
OM-CP-IFC110	**99**	Windows software and 1.2 m (4') RS-232 cable with DB9F termination
OM-CP-IFC200	**119**	Windows software and 3.7 m (12') USB interface cable
OM-CP-BAT102	**10**	Replacement 3.6 V lithium battery

** Insert 1 for ¼" NPT or 0 for fully submersible data loggers. Operator's manual and RS-232 cable are included with the **OM-CP-IFC110.** Windows software (software sold separately). Fully submersible data loggers are only available in 0-30 psia, 0-30 psig, 0-100 psia and 0-100 psig ranges. To order data logger with NIST calibration certificate, add suffix **"-CERT"** to model number and add **$60** to price, (NIST calibration for temperature only).*

Ordering Example: OM-CP-PRTEMP1000IS-1-100-A-CERT** pressure and temperature data logger with NIST calibration certificate, ¼" NPT fitting, 0 to 100 psia range, **OM-CP-IFC110** Windows software and RS-232 cable, $649 + 60 + 99 = **$808.

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