

Pressure and Temperature Data Loggers Part of the NOMAD® Family

OM-CP-PRTEMP101 and
OM-CP-PRTEMP110
Starts at

\$229



- ✓ Programmable Start Time
- ✓ Measures and Records Pressure and Temperature
- ✓ Miniature Size
- ✓ User Calibration through Software
- ✓ Real Time Operation

The OM-PRTEMP101 and OM-CP-PRTEMP110 are miniature, battery powered, stand-alone, temperature and pressure data loggers. These data loggers are a major leap forward in both size and performance. 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 USB port and our easy-to-use 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 Excel® file.

Specifications

Temperature Sensor: Semiconductor
Temperature Accuracy: ±0.5°C (0 to 50°C)
Temperature Resolution: 0.1°C
Temperature Range: -40 to 80°C (-40 to 176°F)
Pressure Sensor: Strain gage
Pressure Accuracy: 1% FSR at 25°C
Pressure Resolution: 0.002 psia

Pressure Range: 0 to 30 psia
Temperature Effect on Pressure Span/Offset: Relative to 25°C going from 0 to 50°C; ±2.0% max, ±0.4% typical
Temperature/Pressure Calibration: Digital calibration is available through software
Calibration Date: Automatically recorded within device to alert user when calibration is required
Recording Interval: 2 sec to 12 hr selectable through software
Memory:
OM-CP-PRTEMP101: 8192 rdgs/channel
OM-CP-PRTEMP110: 16,383 rdgs/channel
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



OM-CP-PRTEMP101, \$229.



OM-CP-PRTEMP110, \$329.

Both models shown larger than actual size.

Red Visual Indicator: LED flashes at selected reading rate or at 1 sec rate under alarm condition

Power: 3.6V lithium battery (included)

Battery Life:

OM-CP-PRTEMP101:
1 year at 1 min reading rate

OM-CP-PRTEMP110:
10 years at 15 min reading rate

Time Accuracy: ±1 minute/month when RS232 port is not in use

Data Format: Date and time stamped, °C, °F, °K, °R, psia, in Hg, mmH, bar, atm, Torr, Pa, kPa, MPa

Weight:

OM-CP-PRTEMP101: 30 g (1 oz)

OM-CP-PRTEMP110: 60 g (2 oz)

Computer Interface: PC serial, RS232C COM or USB (interface cable required)

Communications:

OM-CP-PRTEMP101: 2400 baud
OM-CP-PRTEMP110: 57600 baud

† Refer to next page for NIST calibration ordering information.

Software:

Windows XP SP3/VISTA and 7 (32-bit and 64-bit)

Operating Environment:

-40 to 80°C (-40 to 176°F)
0 to 95% RH non-condensing

Dimensions:

OM-CP-PRTEMP101:

36 H x 56 W x 16 mm D
(1.4 x 2.2 x 0.6")

OM-CP-PRTEMP110:

43 H x 43 W x 20 mm D
(1.7 x 2.7 x 0.8")

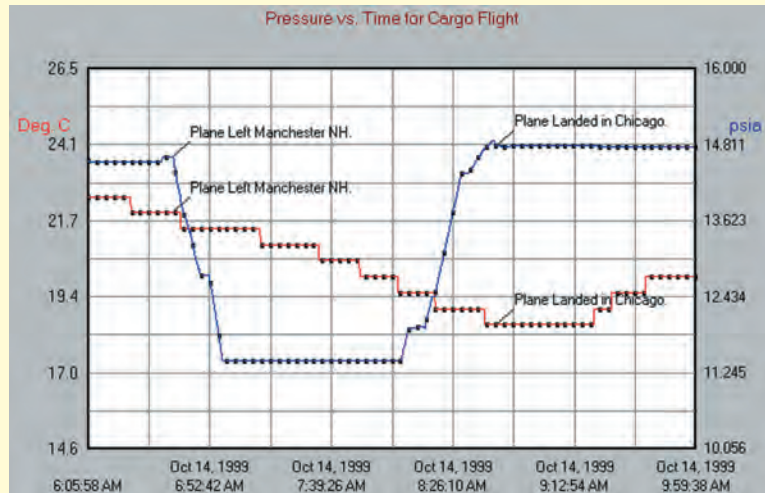


OM-CP-PRTEMP101, \$229.



OM-CP-PRTEMP110, \$329.

Both models shown actual size.



Reading No.	Temperature Deg C	Pressure psia	Date and Time	Annotation
2562	18.5	14.801	Oct 14, 1999 08:43:08 AM	
2563	18.5	14.801	Oct 14, 1999 08:43:18 AM	Plane Landed in Chicago.
2564	18.5	14.803	Oct 14, 1999 08:43:28 AM	
2565	18.5	14.803	Oct 14, 1999 08:43:38 AM	
2566	18.5	14.807	Oct 14, 1999 08:43:48 AM	
2567	18.5	14.802	Oct 14, 1999 08:43:58 AM	
2568	18.5	14.799	Oct 14, 1999 08:44:08 AM	
2569	18.5	14.801	Oct 14, 1999 08:44:18 AM	
2570	18.5	14.790	Oct 14, 1999 08:44:28 AM	
2571	18.5	14.788	Oct 14, 1999 08:44:38 AM	
2572	18.5	14.788	Oct 14, 1999 08:44:48 AM	
2573	18.5	14.789	Oct 14, 1999 08:44:58 AM	
2574	18.5	14.789	Oct 14, 1999 08:45:08 AM	
2575	18.5	14.794	Oct 14, 1999 08:45:18 AM	
2576	18.5	14.794	Oct 14, 1999 08:45:28 AM	
2577	18.5	14.789	Oct 14, 1999 08:45:38 AM	

Temperature Channel	
Minimum	18.5 Deg C
Maximum	22.5 Deg C
Arithmetic Mean	20.2 Deg C
Standard Deviation	1.3 Deg C
Mean Kinetic Temperature	20.3 Deg C

Pressure Channel	
Minimum	11.426 psia
Maximum	14.895 psia
Arithmetic Mean	13.403 psia
Standard Deviation	1.455 psia

OM-CP-IFC200 Windows software, sold separately, \$129.

AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

Model No.	Price	Description
OM-CP-PRTEMP101	\$229	Pressure and temperature data logger with 1-year battery life
OM-CP-PRTEMP101-CERT†	289	Pressure and temperature data logger with 1-year battery life and NIST calibration certificate
OM-CP-PRTEMP110	329	Pressure and temperature data logger with 10-year battery life and NIST calibration certificate
OM-CP-PRTEMP110-CERT†	389	Pressure and temperature data logger with 10-year battery life and NIST calibration certificate
OM-CP-IFC200	129	Windows software and 3.7 m (12') USB interface cable
OM-CP-BAT101	15	Replacement 3.6V lithium battery for OM-CP-PRTEMP101
OM-CP-BAT105	15	Replacement 3.6V lithium battery for OM-CP-PRTEMP110

Comes complete with 3.6V lithium battery. Operator's manual and USB cable are included with the OM-CP-IFC200 Windows software (software is required to operate the data logger and is sold separately).

† NIST calibration for temperature only.

Ordering Example: OM-CP-PRTEMP101-CERT pressure and temperature data logger with NIST calibration certificate and OM-CP-IFC200 Windows software and USB cable, \$289 + 129 = \$418.



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• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters