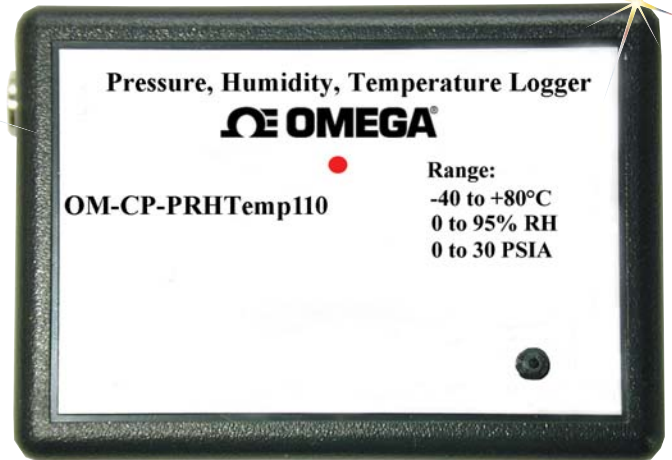
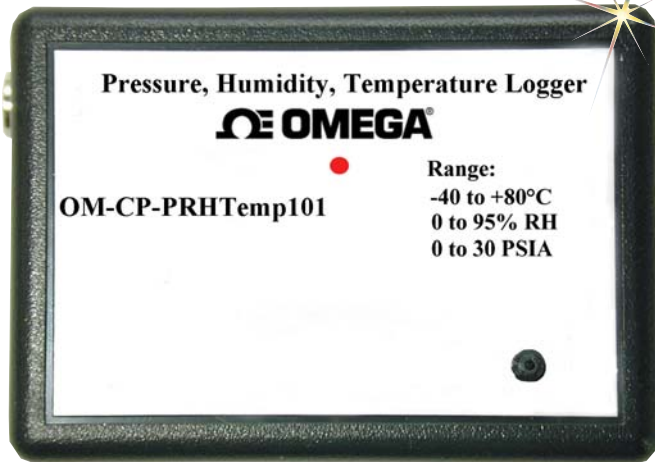


Pressure, Temperature and Humidity Dataloggers Part of the NOMAD® Family

OM-CP-PRHTEMP101 and OM-CP-PRHTEMP110



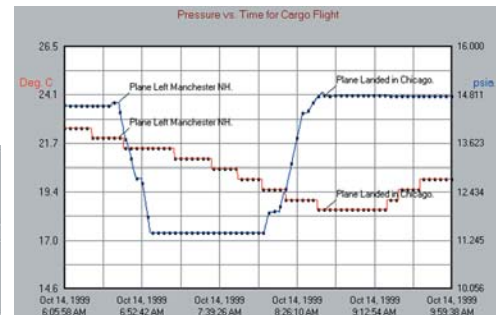
OM-CP-PRHTEMP101 and OM-CP-PRHTEMP110 dataloggers shown larger than actual size

\$299
Basic Unit

- ✓ Programmable Start Time
- ✓ Numerous Calculations Performed in Software
- ✓ User Calibration through Software
- ✓ Real Time Operation
- ✓ 16-Bit Resolution

The OM-CP-PRHTEMP101 and OM-CP-PRHTEMP110 are miniature, battery powered, stand-alone, temperature humidity and pressure data-loggers. These all-in-one compact, portable, easy-to-use devices will measure and record up to 13,107 humidity, 13,107 temperature and 13,107 pressure measurements. These dataloggers 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.

Reading No.	Temperature Deg. C	Pressure psia	Date and Time	Annotation
2562	18.5	14.801	Oct 14, 1999 08:43:09 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 08:43:28 AM	Temperature Channel
2566	18.5	14.807	Oct 14, 1999 08:43:28 AM	Minimum 18.5 Deg. C
2567	18.5	14.802	Oct 14, 1999 08:43:28 AM	Maximum 22.5 Deg. C
2568	18.5	14.799	Oct 14, 1999 08:43:28 AM	Arithmetic Mean 20.2 Deg. C
2569	18.5	14.801	Oct 14, 1999 08:43:28 AM	Standard Deviation 1.3 Deg. C
2570	18.5	14.790	Oct 14, 1999 08:43:28 AM	Mean Kinetic Temperature 20.3 Deg. C
2571	18.5	14.789	Oct 14, 1999 08:43:28 AM	Pressure Channel
2572	18.5	14.789	Oct 14, 1999 08:43:28 AM	Minimum 11.425 psia
2573	18.5	14.789	Oct 14, 1999 08:43:28 AM	Maximum 14.885 psia
2574	18.5	14.789	Oct 14, 1999 08:43:28 AM	Arithmetic Mean 13.403 psia
2575	18.5	14.794	Oct 14, 1999 08:43:28 AM	Standard Deviation 1.495 psia
2626	18.0	14.794	Oct 14, 1999 08:43:28 AM	



Data retrieval is simple. Plug it into an available COM 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

Pressure Sensor: strain gage
Pressure Accuracy: ±1% FSR @ 25°C, ±0.2% typical
Temperature Compensated Range: 0 to 50°C
Temperature Effect on Span: ±2% FSR @ 25°C, ±0.4% typical;
Temperature Effect on Offset: ±2% FSR @ 25°C, ±0.4% typical
Pressure Resolution: 0.002 psia

Pressure Range: 0 psia to 30 psia
Temperature Sensor: Thermistor
Temperature Accuracy: ±0.5°C
Temperature Resolution: 0.1°C
Temperature Range: -40 to 176°F (-40 to 80°C)
Temperature Specified Accuracy Range: 0 to 50°C
Humidity Sensor: Solid state semiconductor
Humidity Accuracy: ±3% RH
Humidity Resolution: 0.5% RH
Humidity Range: 0 to 100% RH non-condensing
Humidity Specified Accuracy Range: 10 to 80% RH, 10 to 40°C



OM-CP-PRHTEMP101 and OM-CP-PRHTEMP110 dataloggers shown larger than actual size

Temperature/Humidity/Pressure Calibration: Digital calibration is available through software

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

Recording Interval: 30/minute to 1/day selectable through software

Start Time: Start time and date are programmable through software

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

Battery Life: OM-CP-PRHTEMP101: 1 year at 1 min reading rate

OM-CP-PRHTEMP110: 10 years at 15 min reading rate
Time Accuracy: ±1 minute per month at 20°C

Data Format: Date and time stamped, % RH, dew point mg/ml of water vapor concentration, psia, mmHg, kPa, Torr, Bar, in Hg, °C, °F, °K, °R

Weight: OM-CP-PRHTEMP101: 30 g (1 oz)
 OM-CP-PRHTEMP110: 60 g (2 oz)

Computer Interface: PC serial, RS-232C COM or USB (interface cable required)

Communications: OM-CP-PRHTEMP101: 2400 baud
 OM-CP-PRHTEMP110: 57600 baud

Software: Windows 95/98/NT/2000/XP
Operating Environment: -40 to 176°F (-40 to 80°C), 0 to 95% RH non-condensing

Dimensions: OM-CP-PRHTEMP101 35 H x 54 W x 15 mm D (1.4 x 2.2 x 0.6")
 OM-CP-PRHTEMP110 43 H x 69 W x 20 mm D (1.7 x 2.7 x 0.8")

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	14.786	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 08:45:29 AM	
2577	18.5	14.799	Oct 14, 1999 08:45:38 AM	
2578	18.5	14.788	Oct 14, 1999 08:45:48 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	14.425 psia
Maximum	14.805 psia
Arithmetic Mean	14.803 psia
Standard Deviation	1.495 psia

ALL MODELS AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)		
Model No.	Price	Description
OM-CP-PRHTEMP101	\$299	Pressure, temperature and humidity datalogger
OM-CP-PRHTEMP101-CERT	359	Pressure, temperature and humidity datalogger with NIST calibration certificate
OM-CP-PRHTEMP110	399	Pressure, temperature and humidity datalogger with 10-year battery life
OM-CP-PRHTEMP110-CERT	459	Pressure, temperature and humidity datalogger with 10-year battery life and NIST calibration certificate
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-BAT105	12	Replacement 3.6 V lithium battery

Operator's manual and RS-232 cable included with the OM-CP-IFC110 Windows software (software is required to operate the datalogger and is sold separately). NIST calibration for temperature and humidity only.
Ordering Example: OM-CP-PRHTEMP101-CERT pressure, temperature and humidity datalogger with NIST calibration certificate and OM-CP-IFC110 Windows software and RS-232 cable, \$359 + 99 = \$458.



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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

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• Pressure, Strain and Force

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• 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