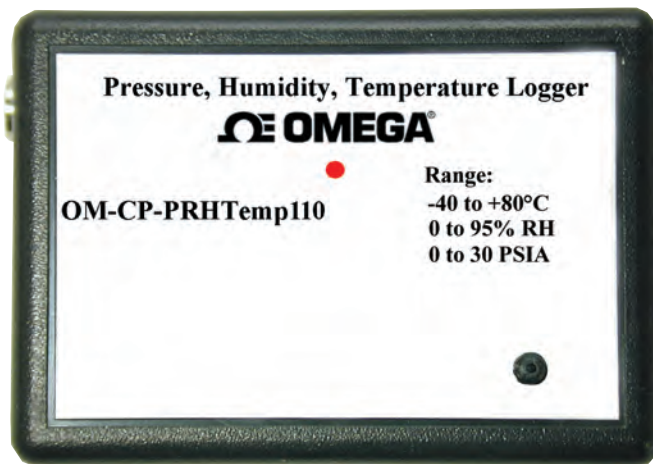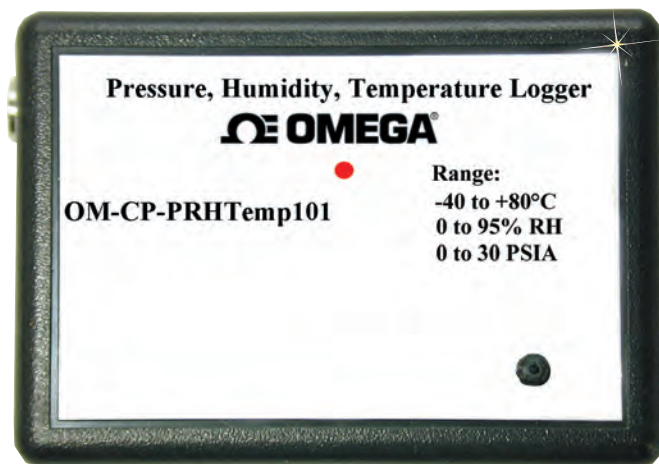# Pressure, Temperature and Humidity Data Loggers Part of the NOMAD® Family
OM-CP-PRHTEMP101 and OM-CP-PRHTEMP110


Pressure, Humidity, Temperature Logger
OMEGA
OM-CP-PRHTemp101
Range:
-40 to +80°C
0 to 95% RH
0 to 30 PSIA

Pressure, Humidity, Temperature Logger
OMEGA
OM-CP-PRHTemp110
Range:
-40 to +80°C
0 to 95% RH
0 to 30 PSIA

OM-CP-PRHTEMP101, $299 and OM-CP-PRHTEMP110, $399, data loggers, shown larger than actual size

Starts at
$299

MADE IN USA · 5 YEAR WARRANTY · CE

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

✔ **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, standalone temperature, humidity, and pressure data loggers. These portable, easy-to-use devices will read and record up to 13,107 humidity, 13,107 temperature, and 13,107 pressure measurements. They represent a major leap in both size and performance. Their 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.
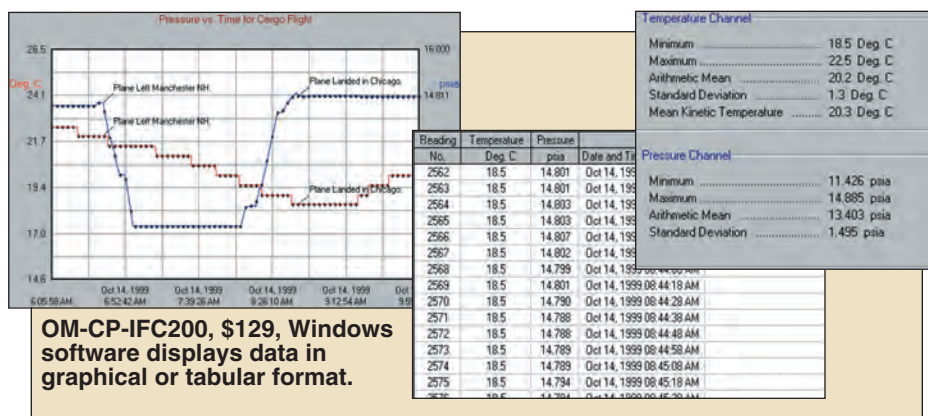
Data retrieval is simple. Plug it into an available COM port and our easy to use software does the rest. The software converts your PC into a real-time strip chart recorder. Data can be printed in graphical or tabular format and can be exported to a text or Microsoft Excel file.

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 to 30 psia

Temperature Sensor: Thermistor
Temperature Accuracy: ±0.5°C
Temperature Resolution: 0.1°C
Temperature Range: -40 to 80°C (-40 to 176°F)
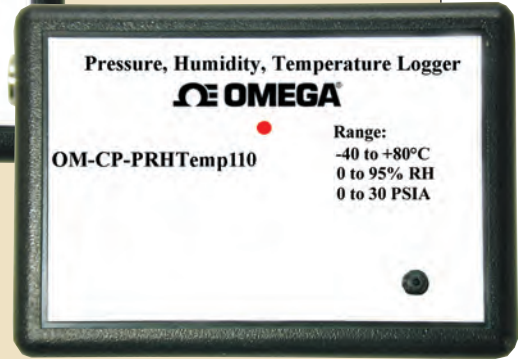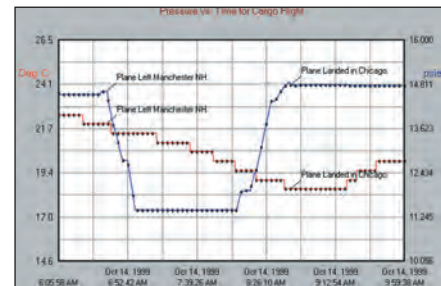**TEMPERATURE SPECIFIED Accuracy Range:** 0 to 50°C
Humidity Sensor:
Solid state semiconductor
Humidity Accuracy: ±3% RH
Humidity Resolution: 0.5% RH
Humidity Range:
0 to 100% RH non-condensing
Humidity Specified Accuracy
Range: 10 to 80% RH, 10 to 40°C
Temperature/Humidity/Pressure
Calibration: Digital calibration is available through software
Calibration Date:
Automatically recorded within device to alert user when calibration is required

OM-CP-PRHTEMP101, $299 and OM-CP-PRHTEMP110, $399, data loggers, shown larger than actual size

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, inHg,°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: 57,600 baud
Software:
XP SP3/Vista and 7
(32-bit and 64-bit)
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")

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

ALL MODELS AVAILABLE FOR FAST DELIVERY!

To Order *(Specify Model Number)*

Model No.	Price	Description
OM-CP-PRHTEMP101	**$299**	Pressure, temperature and humidity data logger
OM-CP-PRHTEMP101-CERT	359	Pressure, temperature and humidity data logger with NIST calibration certificate
OM-CP-PRHTEMP110	399	Pressure, temperature and humidity data logger with 10-year battery life
OM-CP-PRHTEMP110-CERT	459	Pressure, temperature and humidity data logger with 10-year battery life and NIST calibration certificate
OM-CP-IFC200	129	Windows software and 1.8 m (6') USB interface cable
OM-CP-BAT105	12	Replacement 3.6 V lithium battery

*Operator's manual and USB interface cable included with the **OM-CP-IFC200** Windows software (required to operate the data logger and sold separately). NIST calibration for temperature and humidity only.*
Ordering Example: OM-CP-PRHTEMP101-CERT** pressure, temperature and humidity data logger with NIST calibration certificate and **OM-CP-IFC200** Windows software with USB interface cable, $359 + 129 = **$488.

E