

Pressure, Humidity and Temperature Data Logger with LCD Display Part of the NOMAD® Family

OM-CP-PRHTEMP2000



Optional

- ✓ Large Backlit LCD Display
- ✓ Front Keypad With Lock Feature
- ✓ User-Selectable Measurement Units
- ✓ Simultaneous Display of Temperature Humidity and Pressure
- ✓ NIST Traceable Calibration (Optional)
- ✓ Min/Max and Average Statistics
- ✓ Programmable Start/Stop Time
- ✓ Convenient Status Indicators
- ✓ User Replaceable Battery and External Power
- ✓ Wall Mountable

The OM-CP-PRHTEMP2000 is perfect for applications requiring instant remote readings of environmental parameters, including temperature, humidity and atmospheric pressure. The 8-button keypad and large LCD provide convenient access to current data and recorder setup. Additionally, memory and battery levels, external power status, sampling and recording status are shown on the LCD. Available on-screen data includes: statistics (min, max, average) for all three channels; recording status (start, stop and recording rate); display options (channels shown, units, text size); and calibration information (date calibrated, date for recalibration). Statistics can be cleared at any time during logging. With 87,381 readings per channel,



OM-CP-PRHTEMP2000 shown larger than actual size.

the OM-CP-PRHTEMP2000 has one of the largest memory capacities of any similar data recorder on the market. The non-volatile memory will retain recorded data, even if AC and battery power are lost.

The OM-CP-PRHTEMP2000 typically runs up to one month on a user-replaceable 9V battery (at a 1-minute reading rate with continuous LCD usage and no backlight). For further power savings, both the LCD and backlight have configurable auto-off options.

Those wanting to keep the LCD display and backlight continuously active need only to plug the unit to an optional AC power supply, keeping the 9V battery (included) connected as a back-up. NIST traceable calibration is available for users needing to meet regulatory requirements. Creating permanent records, performing data calculations, and the graphing of data is quick and easy: Simply connect the interface cable to an available USB or serial port and, with a few clicks of the mouse, data is downloaded and ready for review or export to Excel.

Specifications

TEMPERATURE

Range: -20 to 60°C (-4 to 140°F)

Resolution: 0.1°C

Calibrated Accuracy: ±0.5°C (0 to 50°C)

HUMIDITY

Range: 0 to 95% RH

non-condensing

Resolution: 0.1% RH

Calibrated Accuracy: ±3% RH (±2% RH typical at 25°C)

Specified Accuracy Range: 10 to 40°C (50 to 104°F), 10 to 80% RH

PRESSURE

Range: 0 to 30 psia

Resolution: 0.002 psia

Calibrated Accuracy: ±1.0% FSR at 25°C; ±0.2% typical

DOT-MATRIX LCD

Dimensions:

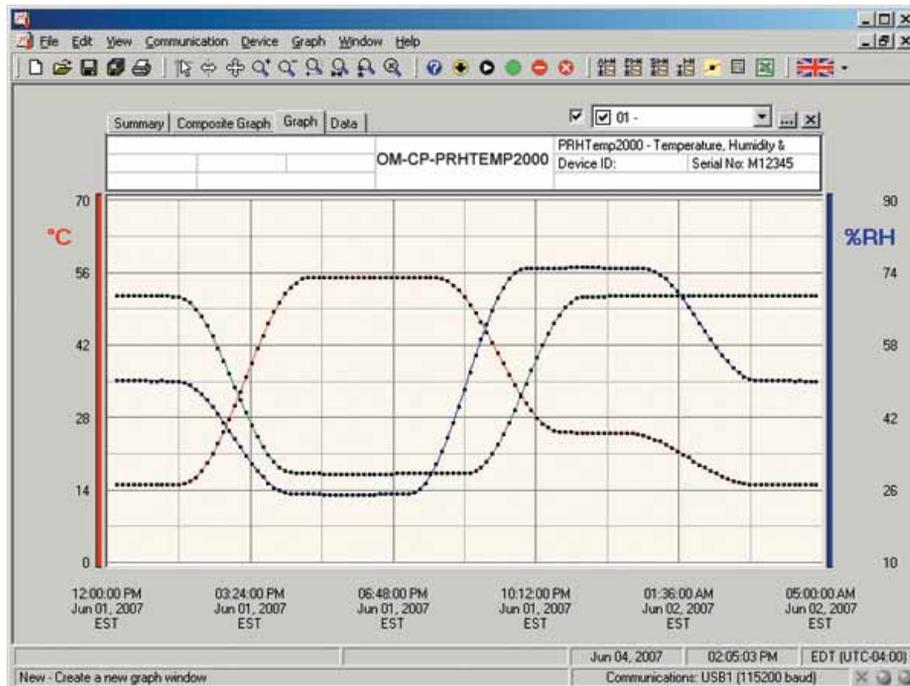
35 H x 63 mm W (1.375 x 2.5")

Text: Configurable channel text size

Indicators: Power, status, memory

Backlight: Configurable w/auto shut-off and contrast adjustment

Start/Stop Time: Software programmable start time and date, up to six months in advance; programmable stop time



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

Memory: 87,381 readings per channel for a total of 262,143 total readings; software configurable memory wrap

Reading Interval: 1 reading every 2 seconds to 1 every 24 hours

Calibration: Digital calibration through software

Calibration Date: Automatically recorded within device

Power: 9V lithium battery (included); optional AC adaptor

User Replaceable Battery: 30 days typical battery life

Data Format: Date and time stamped °C, °F, °K, °R ; %RH, mg/ml water vapor concentration, dew point; psia, inHg, mmHg, bar, atm, Torr, Pa, hPa, kPa, MPa, inH₂O, fth₂O, mh₂O, ft alt, m alt

Time Accuracy: ±1 minute/month at 20 to 30°C (68 to 86°F)

Computer Interface: PC serial or USB (interface cable required); 115,200 baud

Software: XP SP3/Vista/ 7 and 8 (32-bit and 64-bit)

Operating Environment: -20 to 60°C (-4 to 140°F), 0 to 95% RH non-condensing

Dimensions: 84 H x 122 W x 32 mm D (3.3 x 4.8 x 1.25")

Weight: 440 g (16 oz)

Enclosure: Black anodized aluminum



OM-CP-PRHTEMP2000, shown smaller than actual size.

To Order

Model No.	Description
OM-CP-PRHTEMP2000	Pressure, humidity and temperature data logger with with LCD display
OM-CP-PRHTEMP2000-CERT	Pressure, humidity and temperature data logger with with LCD display and NIST calibration certificate
OM-CP-IFC200	Windows software and 1.8 m (6') USB interface cable
OM-CP-SVP-SYSTEM	FDA 21 CFR part 11 compliant IQ/OQ/PQ secure software validation workbook and software package (unlimited users, license per computer)
OM-CP-BAT103	Replacement 9V lithium battery
OM-CP-110-PWR-2000	110 Vac power adaptor
OM-CP-220-PWR-2000	220 Vac power adaptor

Operator's manual and USB cable are included with the **OM-CP-IFC200** (required to operate the data logger and is sold separately).

Ordering Example: **OM-CP-PRHTEMP2000-CERT**, pressure, humidity and temperature data logger with NIST calibration certificate, **OM-CP-IFC200** Windows software, and USB cable.