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

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

To Order

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

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