The OM-CP-RTDTEMP2000 is a battery powered precision RTD temperature recorder, with a LCD display. It is perfect for applications requiring precise temperature readings.

The 8-button keypad and large LCD provide convenient access to current data and recorder setup. Additionally, memory and battery levels, external power status, and sampling and recording status are shown on the LCD.

Available on-screen data includes: statistics (min, max, average); recording status (start, stop and recording rate); display options (units, text size); and calibration information (date calibrated, date for recalibration). Statistics can be cleared at any time during logging.

With continuous LCD and no backlight usage, the average battery life is 30 days. For 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 connect the unit to an AC power supply, keeping the 9 V battery 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 PROBE**

- **Measurement Range:** -200 to 850°C (-328 to 1562°F)
- **Input Type:** 100 Ω Pt RTD, α = 0.00385
- **Input Connection:** 2, 3, or 4-wire screw terminal block
- **Resolution:** 0.01°C
- **Probe Calibrated Accuracy:** ±0.05°C (-200 to 260°C), ±0.3°C (260 to 850°C)

**Additional Features**

- Large, Backlit LCD Display
- Front Keypad with Lock Feature
- High Speed Download
- Real-Time Operation
- User-Selectable Measurement Units
- NIST Traceable Calibration
- Min/Max and Average Statistics
- Programmable Start/Stop Time
- Convenient Status Indicators
- User Replaceable Battery and External Power
- Wall Mountable

**DOT-MATRIX LCD**

- **Dimensions:** 63 x 35 mm (2.5 x 1.375”)
- **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:** 174,762 total readings; software configurable memory wrap

**Reading Rate:** 1 reading every 2 seconds to 1 every 24 hours

**Calibration:** Digital calibration through software

**Calibration Date:** Automatically recorded within device

**Battery Type:** 9 V lithium battery (included), user replaceable; optional AC adaptor

**Battery Life:** 1 year battery life at 1 min reading rate with display off.

**Data Format:** Date and time stamped °C, °F, K, °R

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

**Computer Interface:** PC serial or USB (interface cable required); 115,200 baud
Comes complete with 9V lithium battery. Operator’s manual and USB cable are included with the OM-CP-IFC200 (required to operate the data logger and is sold separately)


<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>OM-CP-RTDTEMP2000</td>
<td>Precision temperature data logger</td>
</tr>
<tr>
<td>OM-CP-RTDTEMP2000-CERT</td>
<td>Precision temperature data logger with 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 9 V lithium battery</td>
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<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>

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

OM-CP-RTDTEMP2000 data logger shown smaller than actual size

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: 122 x 84 x 32 mm (4.8 x 3.3 x 1.25”)
Weight: 440 g (16 oz)
Enclosure: Black anodized aluminum

PR-11-2-100-1/4-6-E shown smaller than actual size, sold separately.