## Miniature Temperature and Humidity Data Loggers
### Part of the NOMAD® Family

**OM-CP-MICROTEMP Series**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>OM-CP-MICROTEMP</td>
<td>Miniature submersible temperature data logger</td>
</tr>
<tr>
<td>OM-CP-MICRORHTEMP</td>
<td>Miniature temperature and humidity data logger (not submersible)</td>
</tr>
<tr>
<td>OM-CP-MICROTEMP-CERT†</td>
<td>Miniature submersible temperature data logger with NIST calibration certificate</td>
</tr>
<tr>
<td>OM-CP-MICRORHTEMP-CERT†</td>
<td>Miniature temperature and humidity data logger with NIST calibration certificate (not submersible)</td>
</tr>
<tr>
<td>OM-CP-IFC102</td>
<td>Windows software and 1.2 m (4') RS232 cable with DB9F termination</td>
</tr>
<tr>
<td>OM-CP-IFC202</td>
<td>Windows software and 3.7 m (12') USB interface cable</td>
</tr>
<tr>
<td>OM-CP-BAT107</td>
<td>Replacement 3.6V lithium battery for OM-CP-MICROTEMP</td>
</tr>
<tr>
<td>OM-CP-BAT106</td>
<td>Replacement 1.55V silver oxide coin cell (logger requires 2) for OM-CP-MICRORHTEMP</td>
</tr>
</tbody>
</table>

### Specifications
- **Temperature Sensor:** Internal semiconductor
- **Temperature Range:**
  - OM-CP-MICROTEMP: -40 to 80°C (-40 to 176°F)
  - OM-CP-MICRORHTEMP: 0 to 50°C (32 to 122°F)
- **Temp Accuracy:** ±0.5°C (0.9°F) 0 to 50°C (32 to 122°F)
- **Temp Resolution:** 0.1°C (0.2°F)
- **Humidity Sensor:** Semiconductor
- **Humidity Accuracy:** 3% RH
- **Humidity Resolution:** 0.95% RH
- **Humidity Range:** 0 to 95% RH (non-condensing)
- **Calibrated Accuracy:** 3% RH (±2% RH typical @ 25°C)
- **Response Time:** 90% change in 60 seconds in slow moving air
- **Accuracy Range:** 10 to 80% RH, 10 to 40°C
- **Alarm:** Programmable high and low limits; alarm is activated when temperature reaches or exceeds set limits

### Memory:
- **OM-CP-MICROTEMP:** 32,767 readings per channel; software-configurable memory wrap
- **OM-CP-MICRORHTEMP:** 16,383 readings per channel

### Reading Interval:
1 reading every 2 seconds to 1 every 12 hours

### Start Time:
Software programmable start time and date (up to 6 months in advance)

### Power (Included):
- **OM-CP-MICROTEMP:** 3.6V lithium battery
- **OM-CP-MICRORHTEMP:** 2 to 1.55V R1154W battery

### Battery Life:
1 year typical (15-minute reading rate, 25°C)

### Computer Interface:
PC serial or USB (interface cable required); 38,400 baud

### Memory:
- OM-CP-MICROTEMP: 32,767 readings per channel; software-configurable memory wrap
- OM-CP-MICRORHTEMP: 16,383 readings per channel

### Reading Interval:
1 reading every 2 seconds to 1 every 12 hours

### Start Time:
Software programmable start time and date (up to 6 months in advance)

### Power (Included):
- **OM-CP-MICROTEMP:** 3.6V lithium battery
- **OM-CP-MICRORHTEMP:** 2 to 1.55V R1154W battery

### Battery Life:
1 year typical (15-minute reading rate, 25°C)

### Computer Interface:
PC serial or USB (interface cable required); 38,400 baud

### To Order
Visit omega.com/om-cp-microrhtemp for Pricing and Details

### Operator’s Manual and Interface Cable
- OM-CP-MICROTEMP: 66 L x 18 mm Dia. (2.6 x 0.7”)
- OM-CP-MICRORHTEMP: 15 L x 38 mm Dia. (0.60 x 1.5”)

### Weight:
- OM-CP-MICROTEMP: 50 g (1.8 oz)
- OM-CP-MICRORHTEMP: 30 g (1 oz)

### Material:
316L SS (food grade)

---

Sanitary product line continues to expand, visit omega.com/sanitary for details!