

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

OM-CP-MICROTEMP Series  
Starts at

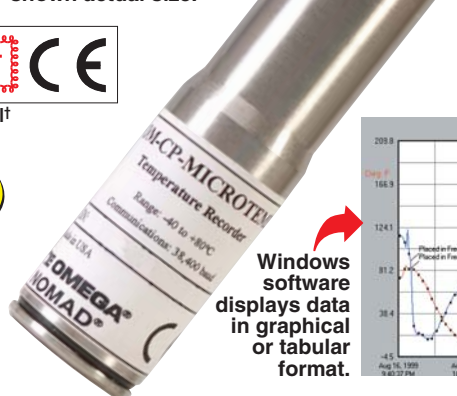


Optional†

- ✓ Miniature Size
- ✓ Real-Time Operation
- ✓ Programmable Start Time
- ✓ OM-CP-MICROTEMP Temperature Only, Submersible Up to 46 m (151')
- ✓ OM-CP-MICRORHTEMP Temperature and Relative Humidity, Not Submersible

For Complete Specifications Visit  
[omega.com/om-cp-microtemp](http://omega.com/om-cp-microtemp)

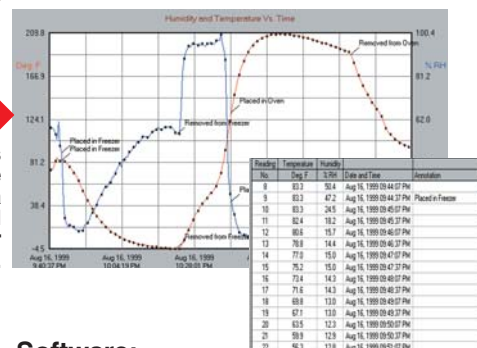
OM-CP-MICROTEMP data logger, shown actual size.



Windows software displays data in graphical or tabular format.



OM-CP-MICRORHTEMP data logger, shown actual size.



The OM-CP-MICROTEMP and OM-CP-MICRORHTEMP are miniature, submersible, self contained temperature and temperature/humidity data loggers. These data loggers are small enough to fit down the neck of a beverage bottle. Applications include pharmaceuticals, biomedical research, food processing and transport. Data retrieval is simple. Simply connect the data logger to an available USB port and the easy-to-use Windows software does the rest.

### 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)

OM-CP-MICRORHTEMP:

**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

**Software:**

XP SP3/Vista and 7

(32-bit and 64-bit)

**Submersion Depth (OM-CP-MICROTEMP Only):**

Up to 46 m (150')

**Dimensions:**

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)

**AVAILABLE FOR FAST DELIVERY!**

### To Order (Specify Model Number)

| Model No.               | Description  |
|-------------------------|--|
| OM-CP-MICROTEMP         | Miniature submersible temperature data logger  |
| OM-CP-MICRORHTEMP       | Miniature temperature and humidity data logger (not submersible)                                   |
| OM-CP-MICROTEMP-CERT†   | Miniature submersible temperature data logger with NIST calibration certificate                    |
| OM-CP-MICRORHTEMP-CERT† | Miniature temperature and humidity data logger with NIST calibration certificate (not submersible) |
| OM-CP-IFC102            | Windows software and 1.2 m (4') RS-232 cable with DB9F termination                                 |
| OM-CP-IFC202            | Windows software and 3.7 m (12') USB interface cable   |
| OM-CP-BAT107            | Replacement 3.6V lithium battery for OM-CP-MICROTEMP   |
| OM-CP-BAT111            | Replacement 1.55V silver oxide coin cell (logger requires 2) for OM-CP-MICRORHTEMP                 |

Operator's manual and USB interface cable are included with the OM-CP-IFC202 Windows software (required to operate the data logger and sold separately).

**Ordering Examples:** OM-CP-MICROTEMP-CERT, miniature temperature data logger with NIST calibration certificate, OM-CP-IFC202, Windows software with USB cable,

OM-CP-MICRORHTEMP-CERT, miniature temperature and humidity data logger with NIST calibration certificate and OM-CP-IFC202 Windows software with USB cable,



## UNITED STATES

[www.omega.com](http://www.omega.com)

1-800-TC-OMEGA  
Stamford, CT.

## CANADA

[www.omega.ca](http://www.omega.ca)

Laval(Quebec)  
1-800-TC-OMEGA

## GERMANY

[www.omega.de](http://www.omega.de)

Deckenpfronn, Germany  
0800-8266342

## UNITED KINGDOM

[www.omega.co.uk](http://www.omega.co.uk)

Manchester, England  
0800-488-488

## FRANCE

[www.omega.fr](http://www.omega.fr)

Guyancourt, France  
088-466-342

## CZECH REPUBLIC

[www.omegaeng.cz](http://www.omegaeng.cz)

Karviná, Czech Republic  
596-311-899

## BENELUX

[www.omega.nl](http://www.omega.nl)

Amstelveen, NL  
0800-099-33-44



## More than 100,000 Products Available!

### • Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Glass Bulb Thermometers, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders Relative Humidity Measurement Instruments, RTD Probes, Elements and Assemblies, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples Thermowells and Head and Well Assemblies, Transmitters, Wire

### • Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

### • pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

### • Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

### • Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

### • Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters