

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

### OM-CP-MICROTEMP Series



Optional†

OM-CP-MICROTEMP data logger shown actual size.



OM-CP-MICRORHTEMP data logger shown actual size.

- 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

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 COM 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)

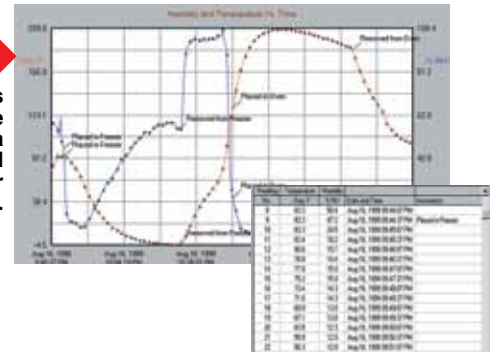
**Response Time:** 90% change in 60 seconds in slow moving air

**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



Windows software displays data in graphical or tabular format.



### 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)

**To Order** visit [omega.com/om-cp-microrhtemp](http://omega.com/om-cp-microrhtemp) for Pricing and Details

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†	3Miniature temperature and humidity data logger with NIST calibration certificate (not submersible)
OM-CP-IFC102	Windows software and 1.2 m (4') RS232 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-BAT106	Replacement 1.55V silver oxide coin cell (logger requires 2) for OM-CP-MICRORHTEMP

Operator's manual and interface cable are included with the OM-CP-IFC102 and 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-IFC102, Windows software with RS232 cable.

OM-CP-MICRORHTEMP-CERT, miniature temperature and humidity data logger with NIST calibration certificate and OM-CP-IFC102 Windows software with RS232 cable.