

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

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



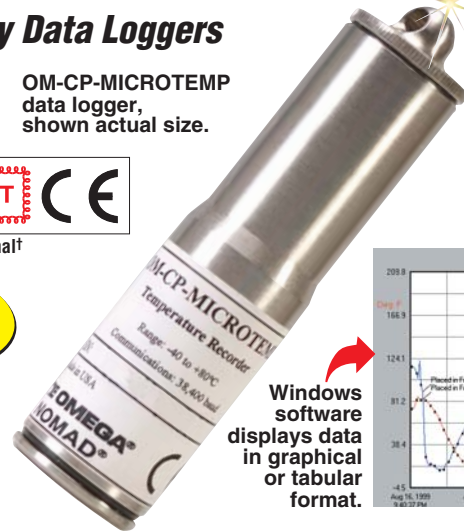
OM-CP-MICRORHTEMP data
logger, shown actual size.



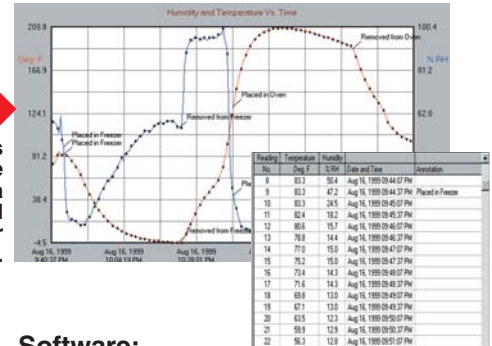
Optional†

For Complete Specifications Visit omega.com/om-cp-microtemp

- ✓ 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



Windows software displays data in graphical or tabular format.



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.



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• Flow and Level

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• 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