OM-CP-MICRORHTEMP Miniature Temperature and Humidity Data Logger
Part of the NOMAD® Family

Starts at
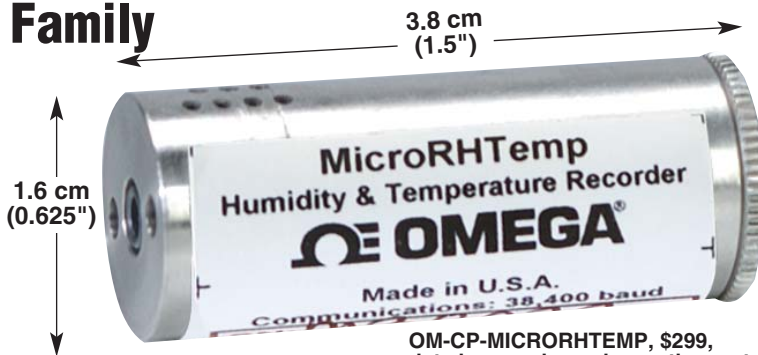# $299

MADE IN USA
5 YEAR WARRANTY

3.8 cm (1.5")
1.6 cm (0.625")

MicroRHTemp
Humidity & Temperature Recorder
ΩE OMEGA®
Made in U.S.A.
Communications: 38,400 baud

✔ **Miniature Size**
✔ **Low-Power Technology**
✔ **Programmable Start Time**
✔ **Real-Time Operation**
✔ **Alarm Indicator**

OM-CP-MICRORHTEMP, $299, data logger shown larger than actual size

OM-CP-IFC102, $99, Windows software displays data in graphical or tabular format

The OM-CP-MICRORHTEMP is a miniature, battery-powered, stand-alone temperature and humidity data logger. This device combines the latest in low-power technology with Windows based software to provide a next-generation temperature and humidity recorder. The data logger records 16,383 humidity and 16,383 temperature measurements simultaneously. The OM-CP-MICRORHTEMP is a major leap in both size and performance. Its real-time clock enables all data to be time and date stamped. The storage medium is non-volatile solid state memory, providing maximum data security even if the battery becomes discharged. Its small size allows the device to fit almost anywhere. Data retrieval is simple. Plug it into an available COM port and the easy-to-use Windows software does the rest. The OM-CP-MICRORHTEMP requires minimal effort to configure and control. The software used to operate the OM-CP-MICRO-RHTEMP requires no programming skills and enables users to effortlessly select reading rate and device ID. Data collection can start moments after connecting the hardware. A simple plug-in connection is all that is required to connect the OM-CP-MICRORHTEMP to a PC. Data can be printed in graphical and tabular format or exported to a text or Microsoft Excel file.
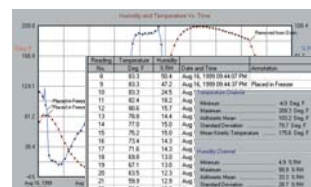
Specifications
Temperature Sensor: Semiconductor
Temperature Accuracy: ±0.5°C
Temperature Resolution: 0.1°C
Temperature Range:
0 to 50°C (32 to 122°F)
Humidity Sensor: Semiconductor
Humidity Accuracy: 3% RH
Humidity Resolution: 0.95% RH
Humidity Range:
0 to 95% RH non-condensing

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
Response Time: 90% chance in 60 seconds in slow moving air
Calibration: Digital calibration through software
Start Time: Software programmable start time and date (up to six months in advance)
Real-Time Recording: Can be used with PC to monitor and record data in real-time
Memory: 16,383 readings per channel
Reading Interval: 1 reading every 2 seconds to 1 every 12 hours
Calibration Date: Automatically recorded within device
Recording Interval: 30/minute to 1/day selectable through software
Time Accuracy: ±1 min/month @ 20°C
Data Format: Date and time stamped, °C, °F, °K, °R, %RH, mg/ml water vapor concentration
Power:
2 to 1.55 V R1154W battery (included)
Battery Life: 1 year typical (15-minute reading rate, 25°C)

Activity Indicator: Green LED blinks every 15 seconds to indicate device has been started
Temperature Alarm: Programmable temperature alarm with high and low limits selectable in software; when logged data reaches or exceeds either limit, the red LED blinks every three seconds
Weight: 30 g (1 oz.)
Computer Interface: PC serial or USB (interface cable required) 38,400 baud
Software: Windows 95/98/NT/2000/XP
Operating Environment:
0 to 50°C (32 to 122°F)
0 to 95% RH non-condensing
Dimensions: 15 mm dia x 38 mm L (0.60 x 1.5")
Material: Stainless steel

AVAILABLE FOR FAST DELIVERY!

To Order *(Specify Model Number)*

Model No.	Price	Description
OM-CP-MICRORHTEMP	$299	Miniature temperature and humidity data logger
OM-CP-MICRORHTEMP-CERT	359	Miniature temperature and humidity data logger w/NIST calibration certificate
OM-CP-IFC102	99	Windows software and 4' RS-232 cable with DB9F termination
OM-CP-BAT104	5	Replacement 3 V lithium battery, (logger requires 2) for loggers with serial #'s lower than M30000
OM-CP-BAT106	5	Replacement 1.55 V silver oxide coin cell (logger requires 2) for loggers with serial #'s M30000 and higher

*Operator's manual and RS-232 cable are included with the **OM-CP-IFC102** Windows software (required to operate the data logger and sold separately).*

Ordering Example: OM-CP-MICRORHTEMP-CERT** miniature temperature and humidity data logger with NIST calibration certificate and **OM-CP-IFC102** Windows software with RS-232 cable, $359 + 99 = **$458.

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- ## 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

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- ## pH and Conductivity

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- ## 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

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- ## Heaters

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