



OM-CP-MICRORHTEMP

Miniature Temperature and Humidity Data Logger

Part of the NOMAD® Family

Starts at
£200



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

The OM-CP-MICRORHTEMP is a miniature, battery-powered, standalone 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 10,922 humidity and 10,922 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

OM-CP-MICRORHTEMP, £200, data logger shown larger than actual size

1.6 cm
(0.625")

3.8 cm
(1.5")



Humidity Resolution: 0.5% RH

Humidity Range:

0 to 100% 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

Calibration: Digital calibration

through software

Calibration Date: Automatically

recorded within device

Recording Interval: 30/minute to

1/day selectable 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

Time Accuracy: ±1 min/month @ 20°C

Data Format: Date and time

stamped, °C, °F, °K, °R, %RH,

mg/ml water vapour 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: 25.5 g (1 oz.)

Computer Interface: PC serial

or RS-232C COM

Software: Windows 95/98/NT/2000/XP

Operating Environment:

-40 to 80°C (-40 to 176°F)

5 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	£200	Miniature temperature and humidity data logger
OM-CP-IFC202	80	Windows software and USB interface cable
OM-CP-IFC102	66	Windows software and 4' RS-232 cable with DB9F termination
CAL-3-HU	90	Traceable Calibration Certificate
OM-CP-BAT104	3.40	Replacement 3 V lithium battery, (logger requires 2) for loggers with serial nos. lower than M30000
OM-CP-BAT106	3.40	Replacement 1.55 V silver oxide coin cell (logger requires 2) for loggers with serial nos. 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 miniature temperature and humidity data logger with and OM-CP-IFC202 Windows software with USB cable, £200 + 80 = **£280**.





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