

OM-CP-RHTEMP1000IS Intrinsically Safe Humidity and Temperature Data Logger Part of the NOMAD® Family



\$399
Basic Unit



OM-CP-RHTEMP1000IS, \$399, shown smaller than actual size

- ✓ Intrinsically Safe for Class 1, Div 1, Groups ABCD and Non-incendive for Class 1, Div 2, Groups ABCD Indoor/Outdoor (NEMA Type 4X, 6P) Locations
- ✓ Programmable Start Time
- ✓ Real-Time Operation
- ✓ Automatic Dew Point and Vapor Concentration Calculations

The OM-CP-RHTEMP1000IS humidity and temperature logger is a rugged, water resistant, battery powered, stand alone device which can be used to automatically record humidity and temperature. This all in one compact, portable, easy to use device is able to measure and record up to 21,845 humidity and temperature measurements. The OM-CP-RHTEMP1000IS is ideal for harsh environments. Its real time clock ensures that all the data is time and date stamped. The storage medium is non-volatile solid state memory, providing maximum data security even if the battery becomes discharged. The device can be started and stopped directly from your computer and its small size allows it to fit almost anywhere. The OM-CP RHTEMP1000 makes data retrieval quick and easy. Simply plug the device into an available COM port and our user-friendly software does the rest.

The software converts your PC into a real time strip chart recorder. Data can be printed in graphical or tabular format and can be exported to a text or Microsoft file.

Specifications

Temperature Sensor: Semiconductor
Temperature Range:

-40 to 80°C (-40 to 176°F)

Temperature Resolution: 0.1°C

Calibrated Accuracy: ±0.5°C

Humidity Sensor: Semiconductor

Humidity Range: 0 to 100% RH

Humidity Resolution: 0.5% RH
Calibrated Accuracy: ±3%RH (±2% RH typical at 25°C)
Response Time: 90% change in 60 seconds in slow moving air
Specified Accuracy Range: 10 to 80% RH, 10 to 40°C

Real Time Recording: May be used with PC to monitor and record data in real time

Start Time: Start time and date are programmable through software, up to six months in advance

Recording Interval: 2 seconds to 12 hours selectable in software

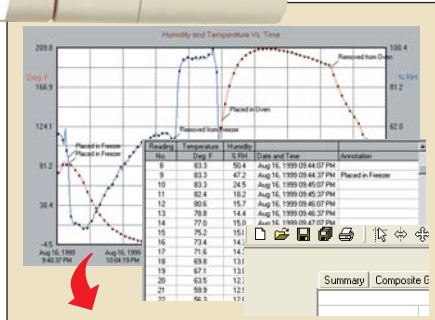
Temperature Calibration: Digital calibration through software

Calibration Date: Automatically recorded within device to alert user when calibration is required

Power: 3.6 V lithium battery included

Battery Life: 1 year typical

Data Format: Date and time stamped, °C, °F, °K, °R; %RH, mg/ml water vapor concentration



OM-CP-IFC200, \$119, Windows software displays data in graphical or tabular format

Time Accuracy: ±1 minute per month at 20°C when RS-232 port is not in use

Computer Interface: PC serial, RS-232C COM or USB (interface cable required) 2400 baud

Software: XP SP3/Vista and 7 (32-bit and 64-bit)

Operating Environment: -40 to 80°C (-40 to 176°F), 0 to 100% RH non-condensing (case properly sealed)

Dimensions: 138 dia x 26 mm L (5.4 x 1.0")

Weight: Aluminum: 145 g (5 oz)
Stainless: 285 g (10 oz)

ALL MODELS AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)		
Model No.	Price	Description
OM-CP-RHTEMP1000IS	\$399	Intrinsically safe humidity and temperature datalogger (aluminum case)
OM-CP-RHTEMP1000IS-CERT	459	Intrinsically safe humidity and temperature datalogger with NIST calibration certificate (aluminum case)
OM-CP-RHTEMP1000IS-SS	449	Intrinsically safe humidity and temperature datalogger (stainless steel case)
OM-CP-RHTEMP1000IS-SS-CERT	509	Intrinsically safe humidity and temperature datalogger with NIST calibration certificate (stainless steel case)
OM-CP-IFC200	119	Windows software and 2.7 m (12') USB interface cable
OM-CP-BAT102	10	Replacement 3.6 V lithium battery

Operator's manual and USB interface cable are included with the OM-CP-IFC200 Windows software (software is required to operate the datalogger and is sold separately).

Ordering Example: OM-CP-RHTEMP1000IS-CERT Intrinsically safe temperature and humidity data logger with NIST calibration certificate and OM-CP-IFC200 Windows software and USB interface cable, \$459 + 119 = \$578.



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• 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

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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