OM-CP-RHTEMP1000IS-A2
Intrinsically Safe Temperature & Humidity Data Logger

CE SGS c us 800898

- **Certified Intrinsically Safe: Class 1 Division 1 Group ABCD, Class 1 Division 2 Group ABCD, Temperature Class: T4A, CAN/CSA-C22.2 No. 60079-0:15, CAN/CSA-C22.2 No. 60079-11:14, FM3600 and FM3610**
- **Software Battery Life Indicator**
- **316 Stainless Steel Enclosure**
- **Small, Sleek Design**
- **Fast Response Time**
- **CE Compliant**
- **NIST Traceable Certificate Included**

The OM-CP-RHTEMP1000IS is an Intrinsically Safe humidity and temperature data logger. It carries hazardous location, intrinsically safe certification in accordance with the latest issue of FM3600, FM3610. This certification makes the device ideal for EtO Sterilization, environmental studies, and numerous other hostile environment applications.

The device can be started and stopped directly from your computer and its small, sleek size allows it to fit almost anywhere. The OM-CP-RHTEMP1000IS-A2 makes data retrieval quick and easy. Simply insert the device into the OM-CP-IFC400 or the OM-CP-IFC406 USB docking station (sold separately) and our user-friendly software does the rest. The small size of the OM-CP-RHTEMP1000IS-A2, allows it to be placed in remote or hard to reach locations. The device now features a battery life indicator allowing users to easily identify low voltage and change batteries when required. This feature maximizes the use of your battery life and is a cost saving efficiency.

The OM-CP Data Logger Software is a powerful, analytic tool. Data can be viewed in graphical or tabular formats and summary and statistics views are available for further analysis.

Specifications

TEMPERATURE	
Temperature Sensor	Resistance Temperature Detector (RTD)
Temperature Range	-40 °C to +80 °C (-40 °F to +176 °F)
Temperature Resolution	0.01 °C (0.018 °F)
Calibrated Accuracy	±0.5 °C (0 °C to ±50 °C) ±0.9 °F (32 °F to 122 °F)

HUMIDITY	
Humidity Sensor	Capacitive Polymer
Humidity Range	0 %RH to 100 %RH (non-condensing)
Humidity Resolution	0.1 %RH
Calibrated Accuracy	±3.0 %RH maximum
Specified Accuracy Range	25 %RH to 75 %RH +20 °C to +40 °C (68 °F to 104 °F) Hysteresis Error 1 % typical, 3 % Maximum

Specifications

GENERAL	
Memory	32,768 Readings
Start Modes	Software programmable immediate start or delay start, up to 24 months in advance
Real Time Recording	May be used with PC to monitor and record data in real time
Reading Rate	1 reading every second up to 1 reading every 24 hours
Calibration	Digital calibration through software
Calibration Date	Automatically recorded within device
Battery Type	Tadiran TL-2150 3.6V lithium battery included, user replaceable in a non-hazardous location
Battery Life	2 years typical at 15 minute reading rate
Data Format	Date and time stamped °C, °F, K, °R; %RH, mg/mL, Dew Point
Time Accuracy	16 seconds / month -40 °C to 80 °C
Computer Interface	OM-CP-IFC400 or OM-CP-IFC406

Operating System Compatibility	Windows XP SP3/7/8/10
Software Compatibility	Standard Software version 4.2.19.1 or later Secure Software version 4.2.18.0 or later
Operating Environment	-40 °C to +80 °C (-40 °F to +176 °F), 0 %RH to 100 %RH (case properly sealed)
Dimensions	1.67 in x 0.97 in dia. (42.3 mm x 24.6 mm dia.)
Weight	2.4 oz (68 g)
Enclosure	316 Stainless Steel/Radel
Approvals	CE FM Class 3600, Rev. Jan 2018 FM Class 3610, Rev. Jan 2018 CAN/CSA-C22.2 No. 60079-0:15 CAN/CSA-C22.2 No. 60079-11:14

BATTERY WARNING: BATTERY MAY LEAK, FLAME OR EXPLODE IF DISASSEMBLED, SHORTED, CHARGED, CONNECTED TOGETHER, MIXED WITH USED OR OTHER BATTERIES, EXPOSED TO FIRE OR HIGH TEMPERATURE. DISCARD USED BATTERY PROMPTLY. KEEP OUT OF REACH OF CHILDREN.

To Order	
P/N	**Description**
OM-CP-RHTEMP1000IS-A2	Intrinsically Safe Temperature and Humidity Data Logger
OM-CP-IFC400	Docking station with USB cable
OM-CP-IFC406	6 Port, Multiplexer docking station with USB cable
OM-CP-BAT113	Replacement 3.6 V lithium battery