

Temperature Monitoring and Alarming System with Wireless Two-Way Communication Part of the NOMAD® Family

OM-CP-THERMALERT-GB and OM-CP-THERMALERT-P



- ✓ Wireless Two-Way Communication
- ✓ Precision RTD Sensing Element
- ✓ View Data in Real-Time
- ✓ Glycol Bottle (Only for the (OM-CP-THERMALERT-GB))
- ✓ 2 Year Battery Life
- ✓ Battery Life Indicator
- ✓ Field Upgradeable

The OM-CP-THERMALERT-GB and OM-CP-THERMALERT-P are temperature monitoring and alarming systems designed for use in hospitals, laboratories, pharmaceutical facilities and other critical temperature monitoring areas. Also, these units can be used to monitor a single temperature location or expanded to include hundreds of locations by adding additional transmitters. These units record both ambient temperature and humidity.

The OM-CP-THERMALERT-GB and OM-CP-THERMALERT-P provides real time notification of temperature deviations, and features a user programmable alarm that can be configured to send a message via text message, screen alarm and/or e-mail if an alarm condition occurs.

The OM-CP-THERMALERT-GB system includes an RTD probe that is mounted in a miniature bottle filled with ethylene glycol. In this method, a temperature "buffered" reading is taken, preventing false alarms.

The OM-CP-THERMALERT-P system includes an RTD probe with a 2.7 m (9') lead wire and a 114 mm (4.5") probe sheath.



The OM-CP-THERMALERT-GB and OM-CP-THERMALERT-P system is equipped with wireless two-way communication. Full communication can be performed directly from a central PC, including starting, stopping and downloading.

In addition to wirelessly transmitting data, both units store each reading to internal memory for backup. This back up data may be retrieved wirelessly at a later time. Customers can set-up automatic archiving preferences, ensuring all data is saved and retained to comply with federal regulations.

WIRELESS DATA ACQUISITION

Specifications

TEMPERATURE

Probe Temperature Range:

OM-CP-THERMALERT-GB:

-50 to 80°C (-58 to 176°F)

OM-CP-THERMALERT-P:

-200 to 260°C (-328 to 500°F)

Probe Calibrated Accuracy:

±0.1°C, -20 to 80°C (-4 to 176°F)

±0.5°C (outside of that range)

Resolution: 0.01°C (0.018°F)

WIRELESS

RF Frequency: 2.45 GHz IEEE

802.15.4 ultra-low power wireless transceiver with fully bi-directional communication

Band: ISM band 2.405-2.48 GHz

Maximum Output Power:

+0dBm typical

Receiver Sensitivity

(OM-CP-RFC1000-EXT): -95 dBm

Range

Outdoor Line of Sight: 610 m (2000')

Indoor: 152 m (500')

GENERAL

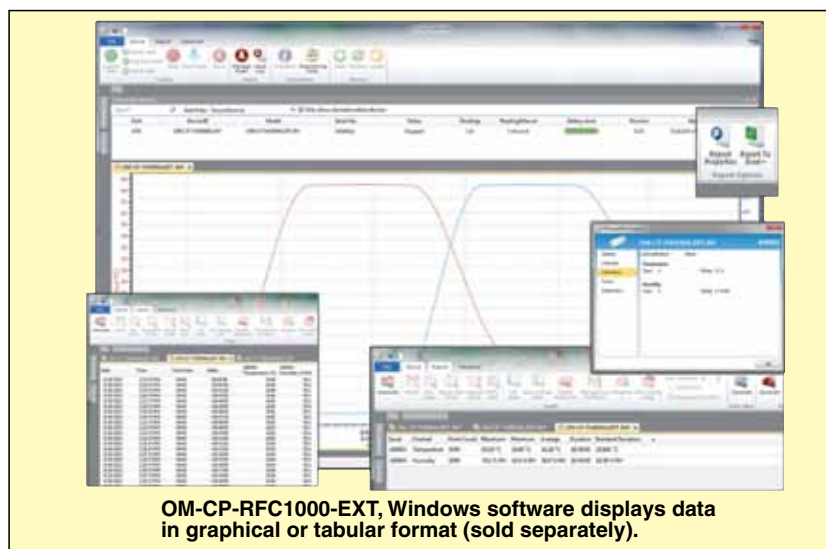
Reading Rate: One reading every two seconds to one every 24 hours

Memory: 30,000 readings; software configurable memory wrap

Wrap Around: Yes

Start Modes:

- Immediate start
- Delay start up to 18 months



Calibration: Digital calibration through software

Calibration Date: Automatically recorded within device

Battery Type: 3.6V lithium battery (included); user replaceable

Battery Life: 2 years typical

Data Format: Date and time stamped °C, °F, K, °R

Time Accuracy: ±1 minute/month (at 25°C)

Computer Interface:

OM-CP-RFC1000-EXT required; 115,200 baud

Software: XP SP3/Vista/7 and 8 (32- and 64-bit)

Operating Environment: -20 to 80°C (-4 to 176°F), 0 to 95% RH non-condensing

Dimensions:

Data Logger:

55 W x 127 L x 33 mm D (2.2 x 5.0 x 1.3")

Wire: 2.7 m (9')

Probe: 0.19 dia x 114 mm (3/16 x 4.5")

Enclosure Material: ABS plastic

To Order

| Model No. | Description |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| OM-CP-THERMALERT-GB30 | Wireless temperature transmitter with RTD probe and 30 ml glycol bottle |
| OM-CP-THERMALERT-GB30-CERT | Wireless temperature transmitter with RTD probe and 30 ml glycol bottle and NIST calibration certificate |
| OM-CP-THERMALERT-GB60 | Wireless temperature transmitter with RTD probe and 60 ml glycol bottle |
| OM-CP-THERMALERT-GB60-CERT | Wireless temperature transmitter with RTD probe and 60 ml glycol bottle and NIST calibration certificate |
| OM-CP-THERMALERT-GB250 | Wireless temperature transmitter with RTD probe and 250 ml glycol bottle |
| OM-CP-THERMALERT-GB250-CERT | Wireless temperature transmitter with RTD probe and 250 ml glycol bottle and NIST calibration certificate |
| OM-CP-THERMALERT-P | Wireless temperature transmitter with precision RTD probe |
| OM-CP-THERMALERT-P-CERT | Wireless temperature transmitter with precision RTD probe and NIST calibration certificate |
| OM-CP-RFC1000-EXT | Wireless transceiver package includes RF transceiver, USB cable, Windows software and operator's manual (not CE approved) |
| OM-CP-RFC1000-EXT-EUR | Wireless transceiver package includes RF transceiver, USB cable, Windows software and operator's manual (CE approved) |
| OM-CP-RFC1000-IP69K | Splash proof (IP69K) wireless transceiver package includes RF transceiver, USB cable, Windows software and operator's manual (not CE approved) |
| OM-CP-BAT109 | Replacement 3.6V lithium battery |

Comes complete with 3.6V lithium battery. Operator's manual, Windows software and USB interface cable are included with the OM-CP-RFC1000-EXT wireless transceiver package (required to operate the data logger, sold separately).

OM-CP-THERMALERT-GB includes glycol bottle.

Note: Because of transmission frequency regulations, OM-CP-THERMALERT-P and OM-CP-THERMALERT-GB wireless data loggers are only approved for use in the following countries: Australia, Austria, Belgium, Bulgaria, Canada, Chile, Columbia, Croatia, Cyprus, Czech Republic, Denmark, Ecuador, Estonia, Finland, France, Germany, Greece, Honduras, Hungary, Iceland, Ireland, Israel, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Mexico, New Zealand, Norway, Peru, Poland, Portugal, Romania, Saudi Arabia, Singapore, Slovakia, Slovenia, South Africa, Spain, Sweden, Switzerland, Thailand, The Netherlands, Turkey, United Kingdom, United States, Venezuela, Vietnam.

Ordering Example: OM-CP-THERMALERT-GB30, wireless temperature transmitter and OM-CP-RFC1000-EXT wireless transceiver package.