

THERM•A•LERT

TEMPERATURE MONITORING AND ALARMING SYSTEM WITH WIRELESS TWO-WAY COMMUNICATION



Features

- Wireless Two-Way Communication
- Precision RTD Sensing Element
- View Data in Real-Time
- 2 Year Battery Life
- Battery Life Indicator
- N.I.S.T. Traceable
- Field Upgradeable

Benefits

- Fast Installation
- Minimal Long-Term Maintenance
- Full Communication From One PC

Applications

- Calibration chamber monitoring
- Laboratory monitoring
- Hospitals
- Blood Banks
- Ware House Mapping

The MadgeTech Therm•A•lert temperature monitoring and alarming system is designed specifically for hospitals, laboratories, pharmaceutical facilities and other critical temperature monitoring areas. The system can be used to monitor a single temperature location or expanded to include hundreds of locations by adding additional transmitters. The Therm•A•lert-RH records both ambient temperature and humidity.



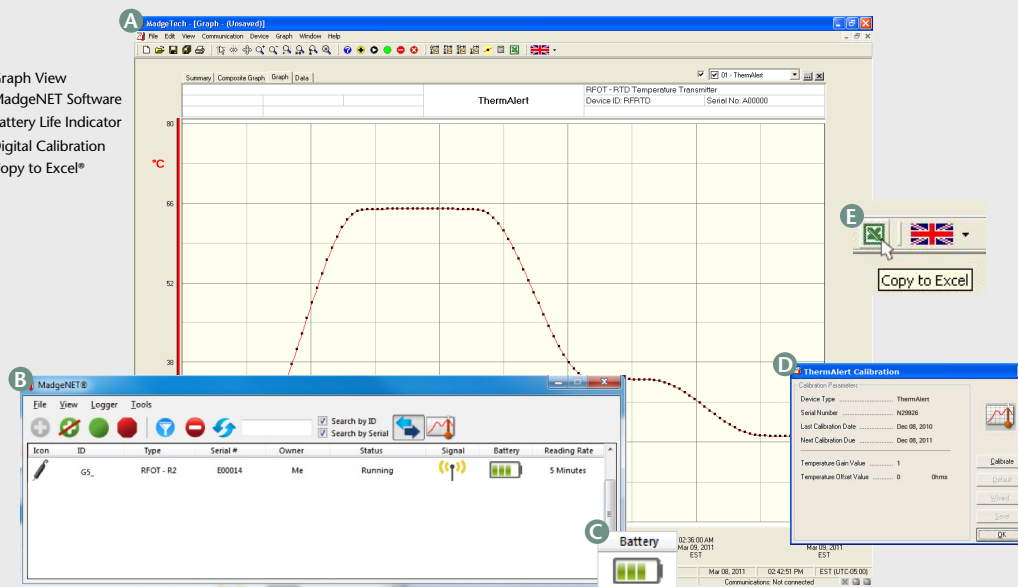
Therm•A•lert provides real time notification of temperature deviations, and features a user programmable alarm that can be configured to send a message via text message, screen alarm and/or e-mail if an alarm condition occurs. The system includes an internal sensor.

The Therm•A•lert 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, Therm•A•lert also stores each reading to internal memory for backup. This back up data may be retrieved wirelessly at a later time. Customers can setup automatic archiving preferences, ensuring all data is saved and retained to comply with federal regulations.

MADGETECH DATA LOGGER SOFTWARE

Key

- A Graph View
- B MadgeNET Software
- C Battery Life Indicator
- D Digital Calibration
- E Copy to Excel®



Software Features:

- Multiple graph overlay
- Statistics
- Digital calibration
- Zoom in/ zoom out
- Lethality equations (F₀, PU)
- Mean Kinetic Temperature
- Full time zone support
- Data annotation
- Min./Max./Average lines
- Data table view
- Automatic report generation
- Summary view
- Multilingual

THERM•A•LERT SPECIFICATIONS*

Temperature

Temperature Range: -20°C to +80°C (-4°F to +176°F)

Resolution: 0.01°C

Calibrated Accuracy: ±0.1°C (14°F to 302°F/-10°C to +150°C)
±0.5°C (outside of that range)

Wireless

RF Frequency: 2.45GHz IEEE 802.15.4 ultra-low power MadgeNET wireless transceiver with fully bi-directional communication

Band: ISM band 2.405-2.48 GHz

Output Power: +0dBm typical

Receiver Sensitivity (RFC1000): -95dBm typical

Range: Line-of-sight 400', indoors 150'

*SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. SPECIFIC WARRANTY REMEDY LIMITATIONS APPLY. CALL 1-603-456-2011 OR GO TO WWW.MADGETECH.COM FOR DETAILS.

BATTERY WARNING: Do not recharge, disassemble, heat above 125°C (257°F), incinerate or expose contents to water. Vent, rupture or explosion may result and cause severe burns.

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: RFC1000 required; 115,200 baud (IFC200 in use)

Software: XP SP3/Vista/Windows 7

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

Dimensions: 2.2" x 5.0" x 1.3"
(55mm x 127mm x 33mm)

Enclosure Material: ABS Plastic

Approvals: CE

ORDERING INFORMATION

MODEL	DESCRIPTION
THERM•A•LERT	Temperature data logger with wireless transmitter
RFC1000	Wireless RF Receiver for use with MadgeNET. USB to mini USB adapter included to connect to PC.
RFC1000-REPEATER	Wireless RF Receiver for use with MadgeNET. USB to mini USB adapter and power supply included.
TLH-5903	Replacement battery for Therm•A•lert

ASK ABOUT
OUR OTHER
DATA
LOGGERS

- Temperature
- Humidity
- Pressure
- pH
- Level
- Shock
- LCD Display
- Pulse/Event/State
- Current
- Voltage
- Wireless
- Intrinsically Safe
- Spectral Vibration
- Motion

For quantity discounts call 1300 737 871 or email customer-service@instrumentchoice.com.au

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