Data Logger Monitoring System
MadgeTech Wireless Monitoring System

The MadgeTech system accommodates a wide variety of industries and applications, and offers real-time, continuous monitoring, and configurable alarm notifications.

- Quick & Easy Setup
- Free Lifetime Support
- Text & Email Notifications
- Unlimited Scalability
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Wireless System Components

BUILDING YOUR DATA LOGGING SYSTEM

DATA LOGGER

TRANSCEIVER

SOFTWARE
Wireless Network Overview

DATA LOGGER COMMUNICATION THROUGHOUT YOUR FACILITY

DATA LOGGERS

TRANSCEIVERS

SOFTWARE
Quick & Easy Wireless Setup

DATA LOGGERS ARE DEPLOYED THROUGHOUT THE FACILITY.
Quick & Easy Wireless Setup

DATA IS SENT FROM THE LOGGERS TO THE SIGNAL TRANCEIVER AT THE WINDOWS PC.
Quick & Easy Wireless Setup

ADDITIONAL SIGNAL RELAYS ARE USED TO INCREASE TRANSMISSION DISTANCE.
Quick & Easy Wireless Setup

THE WINDOWS PC WITH MADGETECH SOFTWARE RUNNING DISPLAYS THE DATA.
Avoiding Wireless Interference

Signal relays are used to overcome obstacles or obstructions. Units are simply plugged into electrical outlets in the desired locations.
Wireless Data Loggers
2000A Series

Ideal for real-time, continuous monitoring and offer configurable alarm notifications.

Data is transmitted in real-time to a central PC, or directly to the MadgeTech Cloud.

- Ambient Temperature
- Remote Temperature
- Humidity
- Pressure
- Voltage
- Pulse
- Current
- Carbon Dioxide
2000A Series

WIRELESS DATA LOGGERS

- RFTemp2000A
  Ambient Temperature Data Logger

- RFRHTemp2000A
  Humidity & Temperature Data Logger

- RFRPRHTemp2000A
  Pressure, Humidity & Temperature Data Logger

- RFTCTemp2000A
  Thermocouple Data Logger

- RFRRTDTemp2000A
  Precision RTD Data Logger

- RFVolt2000A
  Voltage Data Logger

- RFPulse2000A
  Pulse Data Logger

- RFCCurrent2000A
  DC Current Data Logger

- RFCO2RHTemp2000A
  CO2, Humidity & Temperature Data Logger

- VTMS
  Vaccine Temperature Monitoring System
2000A Series Features

- View Data in Real-Time
- Wireless Communication
- 32,256 Readings
- Audible & LED Alarm Indicators
- External Power Supply
- LCD Screen
- Text & Email Alarm Notifications
Wireless Meat Temperature Data Logger

- Complete Meat Process Monitoring (Cooking, Cooling & Storage)
- Equipped with a Rugged Piercing Probe
- Operating Environment: -20 °C to +100 °C (-4 °F to 212 °F)
- Splash-Proof (IP67)
Wireless Transceiver

- Long transmission range, for better performance in occluded environments such as ovens & refrigerators.
- External antenna allows flexibility with mounting positions in both orientation & proximity to obstructions.
- CE Approved
- Splash-Proof
MadgeTech Software
Powerful Data Analysis

- Customizable Reports
  - Graph, Tabular Data & Reports
- Annotate data points on the graph or tabular data.
- Statistics include minimum, maximum, average, time above temperature & more.

User Friendly

- Immediate device status information
- Digital calibration
- Automatic data saving
- Export to Excel
- All wireless loggers within range will be identified and displayed in the **Connected Devices** panel.
- Device information is displayed including **Device ID, Serial Number, Last Calibration Date** and **Battery Level**.
- Multiple devices can be connected, configured and operated simultaneously.
To communicate and configure a wireless data logger, highlight the device within the **Connected Devices** panel and then click the **Claim** icon.

Once a data logger is claimed, additional device information and configuration options are available.
1. Select the device within the **Connected Devices** panel.
2. Select **Real-Time Start** from the Control tab in the top menu bar.
3. Choose your parameters for reading rate, immediate or delay start.
Data Analysis

Data Handling & File Database

- As data is transmitted, it is saved to the built-in file database.
- Downloaded data is saved in the Datasets folder.
- When in Real-Time mode, a graph can automatically be generated and displayed.
- Customized graphs and compiled data can be saved to the Reports Folder.
- The look and feel is comparable to standard office software to aid in user friendliness and ease of use.
Data Analysis

Graphs, Statistics & Tabular Data
Customizable Interface

To increase efficiency, the MadgeTech software allows users to customize the layout of the screen multiple ways to better suit their needs.
Export to Excel

Export With the Click of a Button

MadgeTech Software makes data review easy with the ability to export to Microsoft Excel.
Aiding in 21 CFR Part 11 Compliance

MadgeTech 4 Secure Software aids customers in compliance with 21 CFR Part 11 requirements. The software ensures standards in which electronic files are considered equivalent to paper records, saving time and effort.

- MadgeTech 4 Secure Software Package
- IQ/OQ/PQ Protocols
- Software Validation Workbook
Secure Software

Aids in Compliance with FDA 21 CFR Part 11/820 and GxP Guidelines

Additional security benefits such as:

- Audit Trails
- Secure Data Files
- Administrative Privileges
- Electronic Signatures
MadgeTech Cloud Services
With MadgeTech Cloud Services, a wireless data logger system can securely transmit data in real-time to be viewed on any internet or data enabled device such as a computer, tablet or mobile device.
Features

View Data in Real-Time
Access Data Instantly
Secure Solution
Email & Text Notifications
Quick & Easy Setup
RFCl000 Cloud Relay

Wireless Data Logging Hub

- Transmits data directly to the cloud, eliminating the need for a Central PC.
- Real-time data can be viewed from any internet enabled device.
RFC1000 Cloud Relay

WAREHOUSE

LABORATORY

MANUFACTURING FACILITY

MADGETECH CLOUD

MADGETECH CLOUD SERVICES
MadgeTech Customer Support

MadgeTech data loggers come with a one year manufacturers warranty.
Free support available for the lifetime of the product.

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