

DATA LOGGING SOLUTIONS

GROCERY STORE MONITORING



MadgeTech has been a key resource for the retail food and beverage industry for over 20 years, offering a wide range of temperature monitoring solutions. We have a deep commitment to facilitating regulatory compliance and promoting best practice in food safety. MadgeTech data loggers and monitoring systems have become synonymous with HACCP compliance and process verification throughout the food industry, both domestically and internationally.

THE MADGETECH ADVANTAGE

Ensure safety, quality and efficiency by measuring and recording crucial data for inconsistencies that directly impact the success of a business. Our customizable data logging solutions provide real-time monitoring for applications where the slightest change in environment could be destructive. Coupled with the accuracy and reliability of our products, we also offer free software and cloud services, making compliance and validation reporting a breeze.

Why Choose MadgeTech?

At MadgeTech we take pride in maintaining meaningful relationships with our customers, going above and beyond to turn their everyday problems into new data logging solutions. To ensure the instrument's accuracy, MadgeTech offers in-house standard and customized calibration services, including ISO/IEC 17025 accredited calibrations for certain products.

Benefits:

- ▲ Calibration
- ▲ ISO/IEC 17025 Accreditation
- ▲ IQ/OQ/PQ On-Site Services
- ▲ Free Technical Support
- ▲ Free Software
- ▲ Cloud Services
- ▲ 21 CFR Part 11 Compliance

MadgeTech data loggers are designed, manufactured and serviced in the USA and distributed worldwide.



HEADQUARTERS

Warner, New Hampshire

SHIP, STORE AND DISPLAY WITH CONFIDENCE

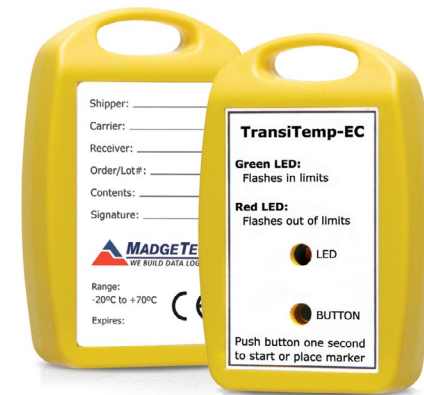


Chain grocers must be able to guarantee that they're shipping and receiving safe, properly-handled food at their stores and warehouse facilities. To support this vital link in the supply chain, MadgeTech manufactures shipping data loggers that travel with food in trucks and containers to provide a clear picture of product exposure while in transit.

Economical Transit Temperature Monitoring

The **TransiTemp-EC** temperature data logger is designed for high volume, low cost in-transit recording.

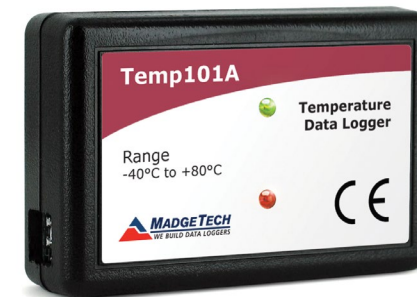
- Monitor temperature and humidity in stockrooms, storage and retail space
- Real-time data displayed on device LCD screen and remotely on PC
- Audible and visual alarms for unsafe temperatures



Compact Ambient Temperature Monitoring

The **Temp101A** is second to none in the compact, portable and low cost data logger class. It is approximately the size of a matchbox which allows for easy placement even in tight spaces.

- Capacity of 2,000,000+ Readings
- Compact Size
- 10-Year Battery Life
- Programmable Alarm Limits



MONITOR IN-HOUSE COOKING AND PROCESSING

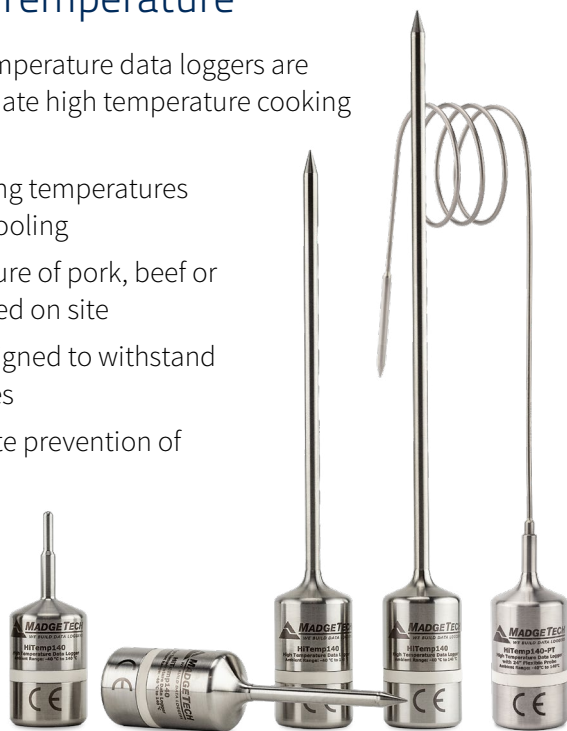


As the grocery and retail food industry expands to offer more cooked or processed foods, the demand for high temperature monitoring continues to grow. Oven temperature profiling as well as cooking and cooling verification are essential to producing safe products and meeting regulatory compliance needs.

Validate Roasting Temperature

The **HiTemp140** series of temperature data loggers are specifically designed to validate high temperature cooking and roasting.

- Ensure safe chicken roasting temperatures throughout cooking and cooling
- Monitor internal temperature of pork, beef or other meat products cooked on site
- Fully submersible and designed to withstand oven roasting temperatures
- Generate reports to validate prevention of foodborne illness



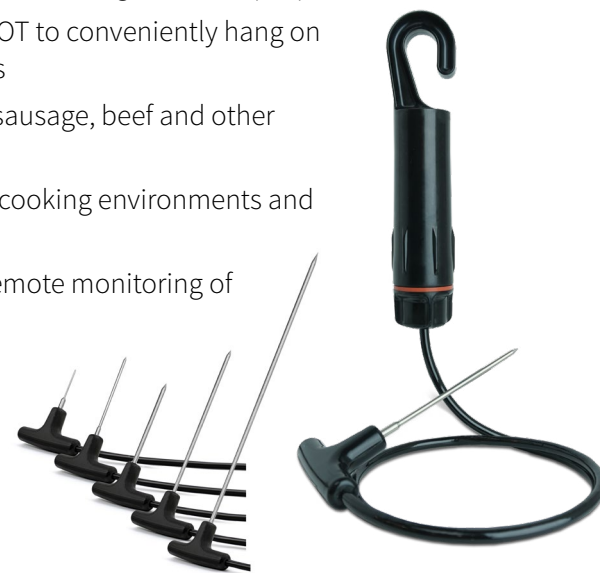
Meat Smoking, Cooling and Storage Temperature

The MadgeTech **RFOT** is a real-time, wireless data logger that monitors the internal temperatures of meat products throughout cooking, smoking, cooling and refrigeration.

- Monitor internal meat temperature throughout multiple processes
- Rugged built in hook allows RFOT to conveniently hang on racks along with meat products
- Probe styles to accommodate sausage, beef and other products large and small
- Splash-proof design to endure cooking environments and wash down cycles
- Wireless operation allows for remote monitoring of multiple ovens or locations

Available Probe Lengths

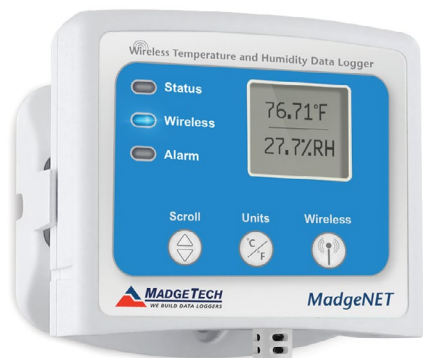
- 1.75 in (70mm)
- 4.0 in (102 mm) Fast Response
- 4.0 in (102 mm) Transitional Diameter
- 7.0 in (177 mm)
- 12.0 in (304 mm)



PRESERVE PERISHABLES AND PROTECT PROFITS



MadgeTech wireless data loggers provide real-time temperature and humidity data to department supervisors and store managers. Deploy data loggers throughout the facility in key areas and monitor information from a central PC or smartphone. Receive data from all departments to generate a complete profile the entire store, market or facility.



Environmental Temperature and Humidity

The **RFRHTemp2000A** maintains ideal conditions and prevents product loss.

- Monitor temperature and humidity in stockrooms, storage and retail space
- Real-time data displayed on device LCD screen and remotely on PC
- Audible and visual alarms for unsafe temperatures

Monitor Refrigerated Product

The **RFTCTemp2000A** measures both environmental and internal product temperatures.

- Walk-in freezers, refrigerators and coolers
- Measure remote or internal temperatures using a thermocouple probe
- Device displays readings on an easy to read LCD screen
- Alerts will notify staff of unsafe temperatures



WIRELESS RETAIL MONITORING IN 4 EASY STEPS

STEP 1

Setup the
RFC1000's

RFC1000

Wireless Transceiver

The **RFC1000** is a wireless transceiver for the RFOT and RF2000A series of data loggers. The RFC1000 features a 7.0 inch (178 mm) pivoting external antenna, which increases the transmission distance and provides greater signal strength and also allows more flexibility with mounting orientation.



RFC1000-IP69K

Splash-Proof Wireless Transceiver

The **RFC1000** is a wireless transceiver for the RFOT and RF2000A series of data loggers. The RFC1000 features a 7.0 inch (178 mm) pivoting external antenna, which increases the transmission distance and provides greater signal strength and also allows more flexibility with mounting orientation.



STEP 2

Deploy the
data loggers



STEP 3

Wirelessly start
the data loggers

STEP 4

Data is instantly
transmitted to
a computer or
MadgeTech Cloud for
real-time monitoring



MANAGE YOUR STORE OR CHAIN FROM ANYWHERE



With a free **MadgeTech Cloud Services** account, real-time logger data can be viewed on an internet-enabled device from anywhere in the world. This provides the ultimate peace of mind, allowing store managers to view conditions for any department in their market, even when they're off-site. Regional managers can access data from all loggers in stores under their purview, supporting consistency and quality control across a chain.

Scalable Solution

The MadgeTech Cloud is designed to support organizations of any size. From a single data logger to a network consisting of hundreds of loggers, the MadgeTech Cloud provides facilities with on-demand data supervision, attainable results, and flexibility like never before. The MadgeTech Cloud gives users the power to have control of all their critical data right in the palm of their hand.

Cloud Capabilities

All wireless MadgeTech data loggers can transmit data to the MadgeTech Cloud to be saved, viewed and controlled. The data is available for viewing from any Internet enabled device anywhere in the world. Equipped with many features, the MadgeTech Cloud is flexible enough to adapt to any data logging needs.

New Logger Groups

Assembling data loggers is easier than ever thanks to the MadgeTech Cloud's Logger Groups. Users have the ability to organize data loggers into groups and subgroups, making all data easily accessible from one central location.

Email & Text Message Alerts

The MadgeTech Cloud allows users to configure alarms to alert for no readings, channel thresholds or battery level. When an alarm is triggered, text message or email notifications are instantly sent, giving users the ability to view the data and assess the situation immediately.



Quick and
Easy Setup



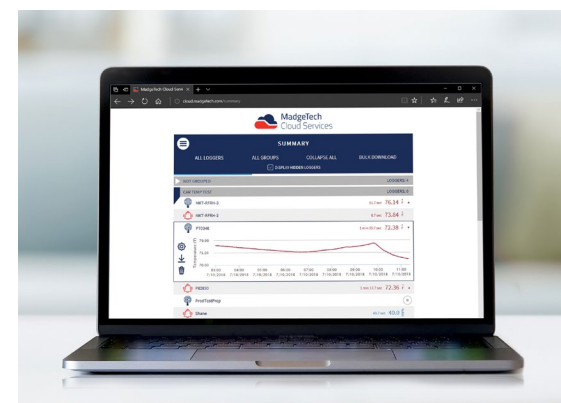
View Data
From Anywhere



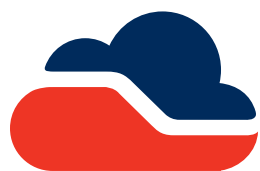
Access Data
Instantly



Email and Text
Notifications



TRANSMIT DATA TO THE MADGETECH CLOUD



MadgeTech Cloud Services



Relay Data
Directly to the
MadgeTech Cloud



Long Distance
Wireless
Transmission

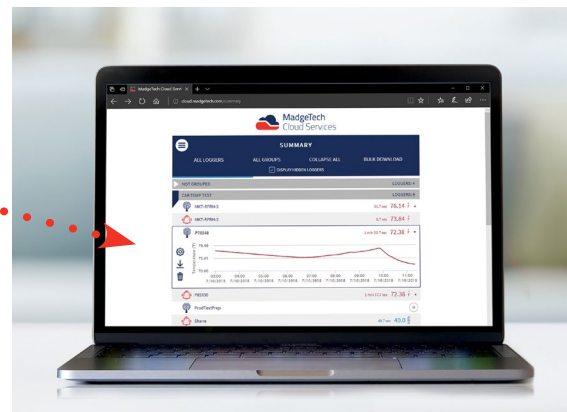


LED Indicators



Taking cloud data logging to a whole new level! The **RFC1000 Cloud Relay** is a data logging hub that connects to the Internet via Ethernet and transmits data directly to the MadgeTech Cloud. This allows users to remotely monitor and manage groups of data loggers throughout a large facility or multiple locations without the need of a central PC.

The RFC1000 Cloud Relay has the ability to transmit data for up to 64 data loggers with no limit on the number of cloud relays that can be connected to a cloud account. This provides users with the ability to obtain information from a single data logger to many data loggers in multiple locations.



MADGETECH 4 SOFTWARE

The simple, easy-to-use, Windows-based software enables the user to effortlessly collect, display and analyze data. A variety of powerful tools can be used to examine, export, and print professional quality reports with just a click of the mouse. This software can be downloaded for free from the MadgeTech website.

MadgeTech 4 Software Customizable Features and Options

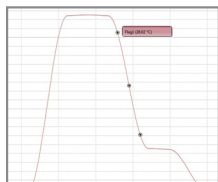
MadgeTech 4 Software can communicate with multiple loggers through multiple interface cables. Capable of simultaneous start, stop and download of over 100 devices, this software serves as your virtual command center for large scale facilities and small. Display your data in graphs, with tabbed views and multi-monitor support. Utilize the infinite graphing flexibility by combining channels and datasets as desired. All graphing makes use of accelerated graphics hardware for real-time updating and high performance visuals.

MadgeTech 4 Software is designed with a built-in database for automatic storage of downloaded data. The look and feel is organized much like standard email programs to aid in user friendliness and ease of use. MadgeTech 4 Software also offers extensive alarming options across multiple devices, wireless and non-wireless. Alarm output options include email, on-screen, text message and run-a-program alerts.

MadgeTech 4 Software has a powerful and comprehensive statistics system that allows the user to customize and view statistics as desired. Another feature is customizable engineering units. This enables users to support and program devices with many different unit types as well as the ability to display them as an alternate unit if desired.



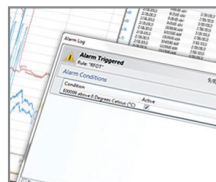
Cooling Flags



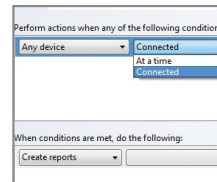
Graph View

Time	Time Zone	Delta
1:13:37 PM	-04:00	-00:00:00
1:14:37 PM	-04:00	+00:01:00
1:15:37 PM	-04:00	+00:02:00
1:16:37 PM	-04:00	+00:03:00
1:17:37 PM	-04:00	+00:04:00
1:18:37 PM	-04:00	+00:05:00
1:19:37 PM	-04:00	+00:06:00
1:20:37 PM	-04:00	+00:07:00
1:21:37 PM	-04:00	+00:08:00
1:22:37 PM	-04:00	+00:09:00
1:23:37 PM	-04:00	+00:10:00
1:24:37 PM	-04:00	+00:11:00
1:25:37 PM	-04:00	+00:12:00

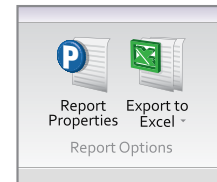
Tabular Data View



Alarm Notifications



Automation



Export to Excel

Software Features

- Multiple Graph Overlay
- Statistics
- Digital Calibration
- Zoom In / Zoom Out
- Cooling Flags
- Lethality Equations (F0, PU)
- Mean Kinetic Temperature
- Full Time Zone Support
- Data Annotation
- User Friendly File Management
- Min. / Max. / Average Lines
- Timeslice
- Data Table View
- Automatic Report Generation
- Summary View
- Workflows / Automation



The MadgeTech Data Logging Software makes record keeping a simple task. Easily tailor graphs and create custom reports for the product being processed to help comply with federal guidelines and regulations.