

Data Logging Solutions for Grocery Store Monitoring





Data Loggers for Temperature Critical Grocery and Retail Food Applications

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.

Most importantly, the MadgeTech name is widely known for both quality and reliability.

As a provider of leading-edge technology, MadgeTech offers a diverse line of wireless data logging systems for environmental and facility monitoring. This allows FSQA personnel to see both product and process temperatures in real-time. From refrigerators to freezers and blast chillers, from the production floor to packaging and storage, MadgeTech provides an easily scalable temperature and humidity data monitoring solution for even the most challenging environments.

Our goal is to continue to provide the tools needed to help grocer and retail food professionals perform their jobs more effectively and efficiently while providing safe products.

When you think consumer food safety, think MadgeTech.



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

RFRHTemp2000A

Maintain ideal conditions and prevent 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

RFTCTemp2000A

Measure 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

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 TransiTemp-EC

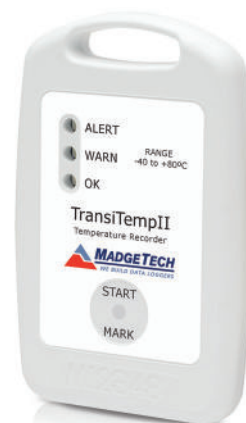
The **TransiTemp-EC** temperature data logger is designed for high volume, low cost in-transit recording.

- Compact and easy to deploy in crates or cases along with product
- Verify handling of produce and other temperature sensitive foods
- Alerts users to unsafe temperature exposure with LED warning
- Records data to provide minute-by-minute reports of conditions throughout shipping

Splash-Proof Cold Chain or Display Monitoring TransiTempII

The **TransiTempII** temperature data logger is designed for use in cold chain transit recording or retail storage and display.

- Compact and portable to be easily deployed with product on the shelves or on the road
- Splash-proof rugged design withstands the moisture of products on ice
- LED lights indicate unsafe temperature exposure
- Start or stop logging controls directly on the device



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

HiTemp140

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

RFOT

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) RFOT-FR (Fast Resonse)
- 4.0 in (102 mm) RFOT-4-TD (Transitional Diameter)
- 7.0 in (177 mm) RFOT 7





Wireless Retail Monitoring

It's Easy! Start Logging in 4 Steps...

- 1 Setup the RFC1000 transceivers
- 2 Deploy the data loggers
- 3 Wirelessly start the data loggers
- 4 Data is instantly transmitted to a computer or to MadgeTech cloud for real-time monitoring



RFOT
Wireless Meat Temperature Data Logger



RFRHTemp2000A
Wireless Temperature and Humidity Data Logger with LCD Display



RFTCTemp2000A
Wireless Thermocouple Based Temperature Data Logger with LCD Display



Wireless Transceiver

RFC1000

The **RFC1000** is a wireless transceiver for the RFOT, RFRHTemp2000A and RFTCTemp2000A 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.



Splash-Proof Wireless Transceiver

RFC1000-IP69K

For environments that require high pressure, high temperature wash down, MadgeTech has designed the **RFC1000-IP69K**. This new splash-proof transceiver can be installed directly in the wash down location, ensuring 100% communication throughout the entire process.



MadgeTech Cloud Services



Data Logging Hub RFC1000 Cloud Relay

The RFC1000 Cloud Relay is a data logging hub that transmits live data directly to MadgeTech Cloud Services.

- Removes the need for a central monitoring PC
- Manage any number of loggers from a single device
- Data can be downloaded for further analysis



RFC1000 Cloud Relay

Quick and Easy Setup

All MadgeTech Wireless Data Loggers are cloud ready and can be up and running in just minutes. Unlike many other custom cloud data logging solutions, the MadgeTech Cloud Services platform offers a production-ready 'out of the box' solution as well as highly customized packages. Custom sites can be deployed and available for use in as little as 10 to 30 days depending upon user requirements.

Transmit data directly to MadgeTech Cloud Services with the **RFC1000 Cloud Relay**

Manage Your Store or Chain from Anywhere in the World

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.



Real-Time Data
24/7 instant access to your temperature and humidity data.



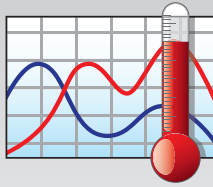
Offering Peace of Mind
Be assured your equipment is running, whether you are in the building or on the road.



Text & Email Notifications
Get notified when temperature thresholds are met.



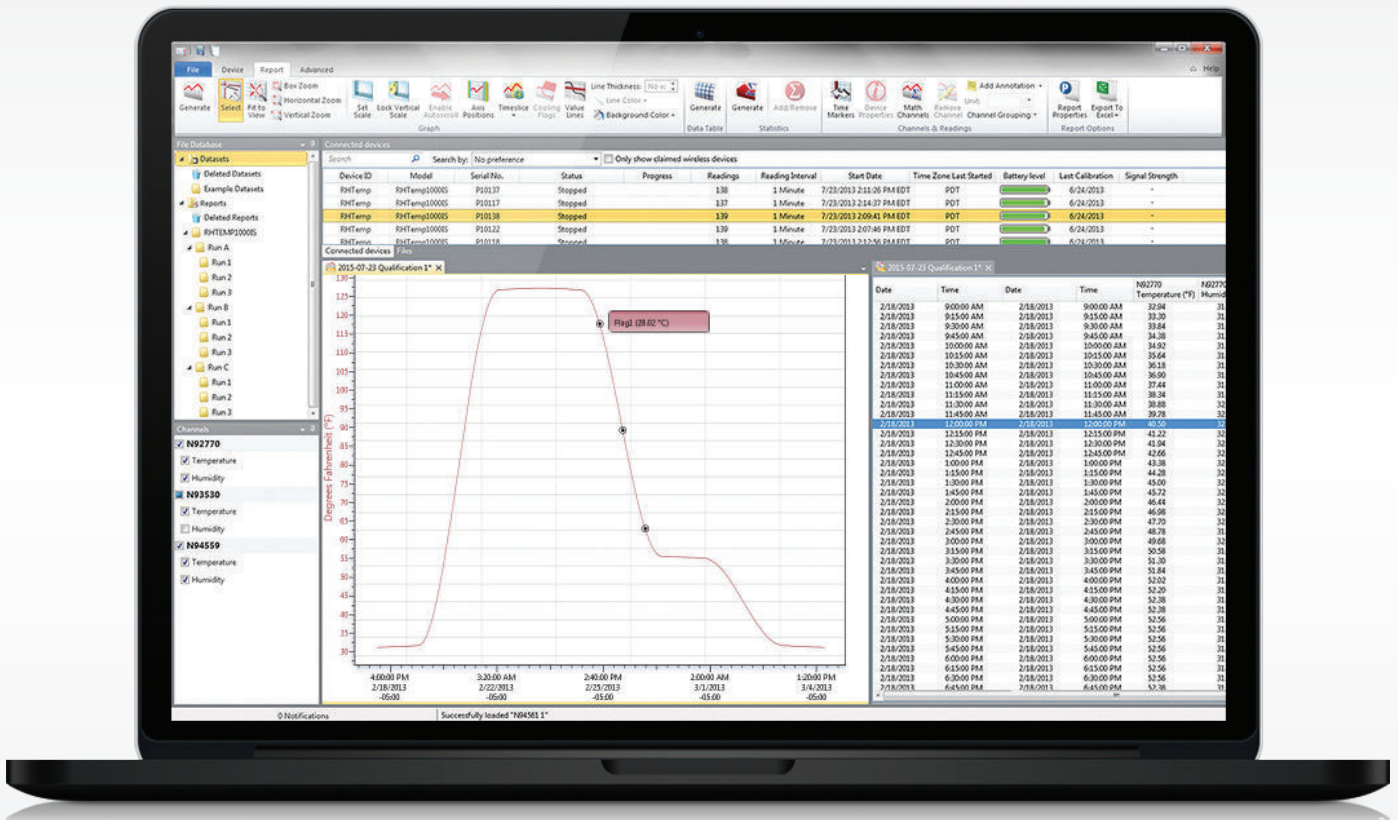
Multi-Store Monitoring
Managing a single logger system or a network of facilities.



MadgeTech 4 Software

The MadgeTech Data Logger software is user friendly and 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.

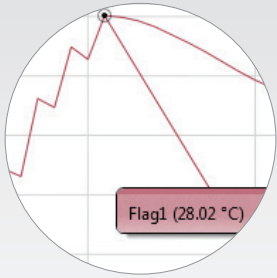
This software can be downloaded for free from the MadgeTech website.



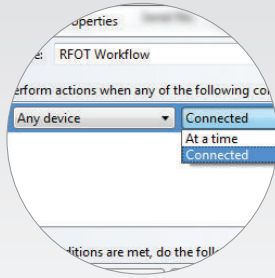
Software Features

- 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

Easy-to-use, Windows-Based Software



Cooling Flags



Automation

	Time	Time Zone
13/2013	1:13:37 PM	-04:00
13/2013	1:14:37 PM	-04:00
13/2013	1:15:37 PM	-04:00
13/2013	1:16:37 PM	-04:00
13/2013	1:17:37 PM	-04:00
13/2013	1:18:37 PM	-04:00
13/2013	1:19:37 PM	-04:00
13/2013	1:20:37 PM	-04:00
13/2013	1:21:37 PM	-04:00
13/2013	1:22:37 PM	-04:00
13/2013	1:23:37 PM	-04:00
13/2013	1:24:37 PM	-04:00
13/2013	1:25:37 PM	-04:00

Tabular Data View



Export to Excel



Alarm Notifications



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.





MadgeTech, Inc
6 Warner Road, Warner, NH 03278
T: (603) 456-2011 F: (603) 456-2012
info@madgetech.com
www.madgetech.com