

Wirelessly monitoring your fridge for temperature breaches and receiving email alerts.

The Problem

Your staff monitor the temperature of your fridges on a daily basis manually and you are tired of readings being missed. You have been told that a data logger will allow you to keep a record of the temperature over time, however you still need to ensure it is downloaded on a regular occasion and you are worried that you may miss temperature breaches by the time this occurs. You want a simple solution that will alert you if temperatures have been breached by email.

The Solution

For these requirements we recommend the [Therm-a-lert](#) or [HOBONode](#) systems. These systems are able to monitor and log temperature information wirelessly and then transmit it back to a central computer (NOTE: The computer needs to be on in order to send alarms and receive logged information). They operate using transmitters (Nodes) that then send data back to a receiver that is connected to your PC. They work on their own network so there is no need to worry about trying to interface them with your current network.

The transmitters are mounted outside the fridge and probes are run through the door seal into the fridge. The transmitters take your temperature readings and transmit the data back to the receiver which is connected to your central PC. You can then view the readings within the software in real time or archive them for future reference. The two systems will also allow you to set alarms, and if the set alarm conditions are breached an email will be sent to alert you of this.

They are a versatile and simple solution and have been used extensively in hospitals, pharmacies, restaurants and warehouses. If you would like to discuss these systems further please feel free to contact one of our friendly Scientists via [email](#) or phone on **1300 737 871**.

Recommended Products

HOBONode System – Required Components



[ZW-RCVR - HoboNode Receiver](#)

The ZW-RCVR plugs into your PC and with the included HOBOWare PRO software allows you to wirelessly connect to your wireless data loggers. You can view the temperature in real time and set alarms if the temperature goes to high or too low. The alarms can be audible using the computers speakers, and you can get the program to send an email if the alarm triggers.



[ZW-006 - HOBOWireless Data Node with 4 analog ports](#)

The HOBOWireless ZW-006 is a 4-channel wireless data node with four analog ports. It wirelessly transmits data in real time, reducing the costs and inconvenience associated with manual data offload.



[TMC6-HD - Hobo Temperature Probe with 1.8m Lead](#)

A temperature sensor for use with HOBOWireless external-channel data loggers, this model measures temperature in air, water, or soil. Accuracy and resolution vary according with attached logger model. Measurement range is -40° to 50°C in water or soil, -40° to 100°C in air. Response time is minutes typical to 90% in air moving 1 m/sec; response time in stirred water is 1 minute typical to 90%. This model sensor is attached to a 1.8m cable.

Therm-A-Lert System



[Therm-A-lert-P - Precision wireless temperature data](#)

The Therma-a-ler is a high quality wireless temperature data logger with an external probe (suitable for down to -200°C). The unit has a wireless indoor range of 40-50m. Therm•A•lert-P provides real time notification of temperature deviations, and features a user programmable alarm that can be configured to send a message via screen alarm and/or e-mail if an alarm condition occurs.



[RFC1000 - USB Interface Cable Package for the RFOT and Therm-A-Lert](#)

Interface cable package for the RFOT and Therm-A-Lert Data Loggers. Includes MadgeTech Software CD, Software Manual, Quick Start Guide, USB to mini USB adapter and RFC1000 wireless receiver.