

## Wireless Datalogger -- Saves time and money



*Old type dataloggers that requires manual download via cable to a computer are now being superseded by a new generation of wireless dataloggers. The wireless datalogger sends real-time data by radio frequency (RF) directly to your computer and can even contact you by email or SMS to your mobile phone when the alarm set-limits are breached*

The easiest way to manage temperature and comply with food safety (HCCAP) and NATA record keeping requirements is by using the MicroLogPlus, the new generation of license free wireless dataloggers made by Fourier Systems ([www.fouriersystems.com](http://www.fouriersystems.com)).

### **Providing on time solutions.**

Currently, to comply with regulatory record keeping requirements laboratories, food processors, pharmaceutical companies etc. have to manually record daily readings from a large number of **digital thermometers**.

Users of **conventional mini dataloggers** have to retrieve the datalogger from its location, bring it to the office, connect the communication cable or docking device and manually download the data for analysis and record storage. These activities are time-consuming can results in human error and in the case of dataloggers require some technical knowledge.

In many cases alarm set points, are missed and breached information arrives too late to act upon, resulting in loses.

### **The MicroLogPlus is a flexible system...**

The same instrument can be used to monitor **relative humidity, temperature** (ambient and sample) plus a wide range of parameters with sensors that can be connected to the standard third channel via Voltage 0-10V or current 0-20mA adaptors, allowing monitoring and recording of a wide range of parameters e.g. pH, ORP, Dissolved Oxygen, Conductivity, Contact (Open/Close doors), Pressure, Soil moisture, Wind, Rain and many more.

### **Fixed or mobile**

Use the MicroLogPlus either in a fixed installation such as produce bins, refrigerated/storage rooms, incubators, galleries, water quality installations and greenhouses or as a mobile system in refrigerated containers and trucks.

### **Central control of multiple locations points and sensors**

MicroLogPlus enables wireless communication with up to 200 MicroLog devices simultaneously and automatically delivers real-time data from the built-in temperature and humidity sensors and from optional external sensors such as pH, light, temperature, voltage and current, directly to your PC. The automated transmission radius is up to a distance of 300 to 400 meters line-of-site.

### **Easy to install and low cost**

The complete MicroLogPlus system is made up of the MicroLog data logger device, the cradle that the MicroLog is mounted on, a small receiver that is placed on the PC, and the user-friendly software that allows for convenient central management.

Wireless communication is the most cost effective solution for monitoring multiple loggers on a single computer, thus eliminating the need to download data from each unit manually, making the

MicroLogPlus ideal for the ongoing data logging needs of supermarkets, food transport, laboratories storage, air conditioning and ventilation, clean rooms and warehouses.

### Record transportation vehicles trip data directly to your office PC

When the MicroLogPlus system is used in transportation and the routine of the truck is known, the user can set the logger to **Daily Download** feature which sets the logger to transmit all the accumulated data at a specific time of the day when the truck arrives back within reception distance of the receiver. In cases when the truck routine is not known all the data can be transmitted with a press of the button directly from the parking lot to the PC.



The MicroLogPlus receiver picks up all the transmissions and transfers them to the MicroLab software. The easy to set-up and use software reports the status of up to 200 dataloggers on a single color-coded interface.

Other friendly features that help automate all aspects of industrial data logging include the ability to store the daily data of each MicroLog, set the MicroLog alarm level, and define sampling intervals and any other necessary parameters. The room door opening and closure status can be monitored by connection to the in-built contact sensor.

### Stay connected anytime anywhere

A unique feature is the capability to automatically generate an email message sent to multiple addresses to alert an alarm breach in a particular logger location. The email message can be redirected to the operator's mobile phone via SMS messaging service. Thus keeping you informed of any potential problems in your operation.

Other useful features are the high and low contact relays that can be used to trigger external audio or visual alarms, battery level indicators on software, automatic setting up of tamper proof Excel files for each of the loggers. MicroLogPlus operate either by internal lithium batteries or external AC/DC adaptor.

### No wonder we call it the Swiss Army Knife of dataloggers



