



# MicroAir Wifi

## Real-Time Monitoring for Temperature and Humidity

The MicroAir WiFi Logger is a reliable, real-time monitoring solution with built-in Temperature and Humidity sensors and an external input for NTC temperature sensors.



Analysis software



Available with external NTC probe

- Up to 48k samples memory capacity
- Mini-USB port for PC communication and firmware updates
- Free license for the DataSuite software and FourtecLite Android app
- Boomerang feature for automatic PDF data report
- Real time monitoring via DataSuite software and FourtecLite app
- Connectivity: Wi-Fi 802.11 b/g/n
- Multi-function keypad for manual time stamp, run/stop activation
- Built-in LED for logging and alarm indication
- LCD: Four-digit, 7-segment display with decimal points
- LED: Bi-color alarm indicator
- LCD battery display, rechargeable battery
- Water and dust-resistant IP54/NEMA 4



**NEW!**

**Compatible with FourtecLite**  
An Android mobile application utility that enables reviewing sampling sessions history, configuring devices and monitoring online sampling sessions.

## Solutions



Food Manufacturing



Catering, Ready Meal Kits, Services & Hospitality



Agriculture & Aquaculture Pre & Post Harvesting



Hospital Environments



Universities & Research Centers



Pharmaceutical Manufacturing sites



Pharmacies



Laboratories



Warehouse & Museums



Industrial Applications



Wholesale & Retail



Export, In-land & Last Mile Delivery Transportation



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Sense it. Manage it.

# MicroAir Wifi Typical Operating Method

- 1 Connect MicroAir with a cable to your device and launch DataSuite or FourtecLite
- 2 Setup your configuration in the setup menu WIFI parameters Sensor's measurement settings
- 3 Configure relevant parameters, click Setup and Run to start logging
- 4 After The Setup:  
**DataSuite** - The device will connect automatically  
**FourtecLite** - Connect to the logger using the Scan option

Scan for all manuals MicroAir Wifi, DataSuite and FourtecLite



## Specifications

|                                               | EC850-W                                                  |
|-----------------------------------------------|----------------------------------------------------------|
| Measurement Inputs                            | Three (two internal, one external)                       |
| Internal Sensor Range                         | Temp: -40 to 80 °C, RH: 5 to 95%                         |
| Internal Temperature Accuracy                 | ± 0.3 °C                                                 |
| Internal Temperature Resolution               | 0.015 °C                                                 |
| Internal Humidity Accuracy                    | ± 2 %                                                    |
| Internal Humidity Resolution                  | 0.05 %                                                   |
| External Input Support                        | NTC Temperature -50 to 150 °C                            |
| Dew Point                                     | LCD and software indication                              |
| Sample Memory                                 | 48,000 samples (over 2 channels), cyclic                 |
| Sampling Rate                                 | Minimum: Once every second, Maximum: Once every 18 hours |
| Auto PDF & Email Delivery (Boomerang Feature) | Yes                                                      |
| WIFI                                          | 802.11 b/g/n                                             |
| LCD                                           | Four-digit, 7-segment LCD with decimal point             |
| LED                                           | Bi-color alarm indicator                                 |
| PC Interface                                  | Mini USB                                                 |
| Power Supply                                  | Rechargeable lithium polymer battery 1000 mAh (Backup)   |
| Dimensions                                    | Diameter: 72 mm, Thickness: 22.9 mm                      |
| Weight                                        | 55g                                                      |
| Wall Mount                                    | Cradle accessory                                         |
| Standards Compliance                          | CE, IP54, EN12830                                        |



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# DataSuite Software for MicroAir Wifi

DataSuite is a free license to use software that enables data monitoring & analysis, as well as lifetime data storage that can be reviewed in graphs, tables, and logger statistics, printed or exported into Excel files. DataSuite is designed for Windows OS only.



**Supported Operating Systems:**  
Windows 10 or Above, (32 and 64bit)

**Minimum Hardware requirements:**  
RAM: 4GB  
Minimum Free space: 300MB



Display up to 14 measurements simultaneously



Data displayed in graphical and tabular formats



Lifetime data track of all the loggers' measurements



Boomerang Report- sends automatic emails to pre-defined recipients with a report of the data loggers' recorded data (temperature and humidity) and abnormalities report



Time Stamps- Analyze specific events in time that were marked by the user on the logger itself, called Time Stamps.



Logger setup and calibration- perform calibration, update firmware, name the logger, define temperature scale, cyclic run, push to run, timer run, sampling rate, etc.



Print or export the data to excel for further analysis or regulations requirements



Friendly and intuitive interface for data monitoring and analysis



Developed in accordance to FDA requirements



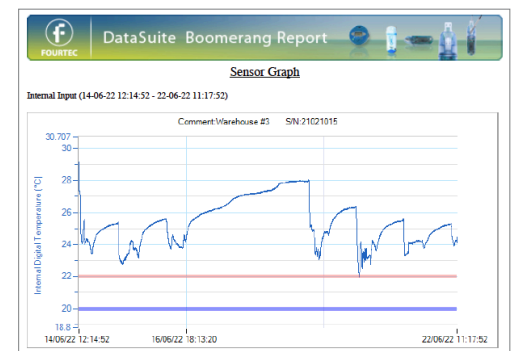
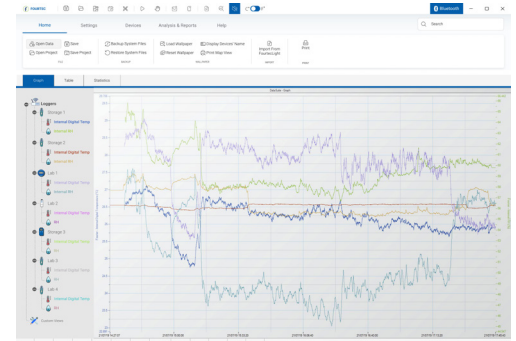
**Free** license to use with software updates and upgrades



Cyclic run - A continuous data sampling process where, upon reaching memory capacity, the system overwrites the oldest recorded data with new incoming data



Timer run - Start data recording at a predetermined time, as set by the user or system schedule



# FourtecLite Software for MicroAir Wifi

Android Devices Application



Android 8.0.0 and above



Easy, convient portable data monitoring solution from everywhere



Send email notifications of data abnormalities



Present and download real time data from your data logger



Keep your data updated wherever you go on your logger, PC and android device



Define and customize your logger from everywhere



Boomerang Report- a feature that sends end users an automatic pre-defined report of the data loggers' recorded data (temperature and humidity) and abnormalities report.



Some features of DataSuite and FourtecLite may not be compatible with all loggers; refer to the user guide to confirm the relevant features for your device



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