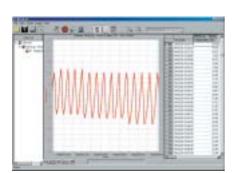


# **Micro**Log<sup>®</sup> Specifications











#### MicroLog

#### Models

FC600 Temperature and external sensor data

FC650 Temperature, relative humidity and external sensor data logger

Input (Built In Sensors)

-30°C to 50°C Temperature

(resolution 0.5°C, accuracy 0.6°C)

0-100% Relative Humidity

(resolution 0.5%, accuracy ± 3%)

Output • Two digit 7-segment LCD

· IRDA interface to portable HP printer and PC

RS-232 cable connection to the PC (in additional to IRDA port)

16,000 samples Memory capacity Power supply

· Internal lithium battery: 3.6V TI 5902

· Battery life: Approximately two years

Sampling rate · User defined: From 1 per 10 seconds

to 1/two hours • Thickness: 22.9mm

Dimensions · Round: 72mm diameter

· Weight: 55gr

Water and dust proof IP65 standard

compliance, for EC 600 model

· CE and FCC standard compliance

pH Sensor

1-14pH Range Resolution: 0.116pH Accuracy: 2% of reading

Calibration single point, done with a small trimmer on the

#### 0-10 Voltage Sensor

0-10V Range:

± 3% before calibration Accuracy:

Input Impedance: 3 M

Calibration: Two point calibration

OV protection: +30V Resolution: 0.05V

#### 0-20 mA Current Sensor

0-20 mA Range: Resolution: ±0.1 mA

Accuracy: ± 3% before calibration Calibration: Two point calibration

OC protection: 55 mA

#### Contact Adapter

open/close Range: Connector: Screw Terminal Cable Length: 2.5 m

Internal Pull-Up Resistor: No need for external power source

#### MicroLab Software

Standards

• Running under WINDOWS 95/98/2000/ME/XP and NT

Fast data download from the MicroLog

Graphic visualization of the MicroLog data

· Data displayed in Graphs and Tables

· Data Export to EXCEL

Graphic analysis tools such as Markers, Zoom

· Data Map allowing the users to easily see many MicroLog

data loggers in one screen

MicroLog SETUP windows, for setting up the MicroLog

sample rate, sensors and alarm level

 MicroLog sensor calibration Display of MicroLog Battery Level

· Working with the wireless MicroLog cradle and Receiver

Showing daily reports of a fleet of data loggers

Visual alarm levels on the Graph and Table

# **Ordering Information**

#### Part Number Description

MicroLog

Temperature data logger EC600

EC650 Temperature and relative humidity

data logger

**External Sensors** 

Temperature Sensor DT140 0-10 Voltage Sensor DT139 0-20 mA Current Sensor DT141 Contact Adapter DT168 pH Adapter DT018 pH Electrode

Cradle

DT174 Alarm Cradle

DT175 Wireless Cradle with Alarm

#### Software (Windows® 95/98/2000/ME/XP)

PC-KIT MicroLab™

(Graphic data logging interface)

SFTMCL007 MicroLab™ Plus

(Central data logging administration) SFTMCL009 MicroLog 2 Excel

(Export to standard worksheet programs

accessory application)

To order MicroLog products and accessories: www.fouriersystems.com

## **External Sensors**

### **Temperature Sensor**

-50°C to 100°C Range: Resolution: • Better than 1°C • Between -20° to 75° Accuracy: ±2% of reading

Probe Length: Probe OD: 3.2mm Max. temperature: 150°C