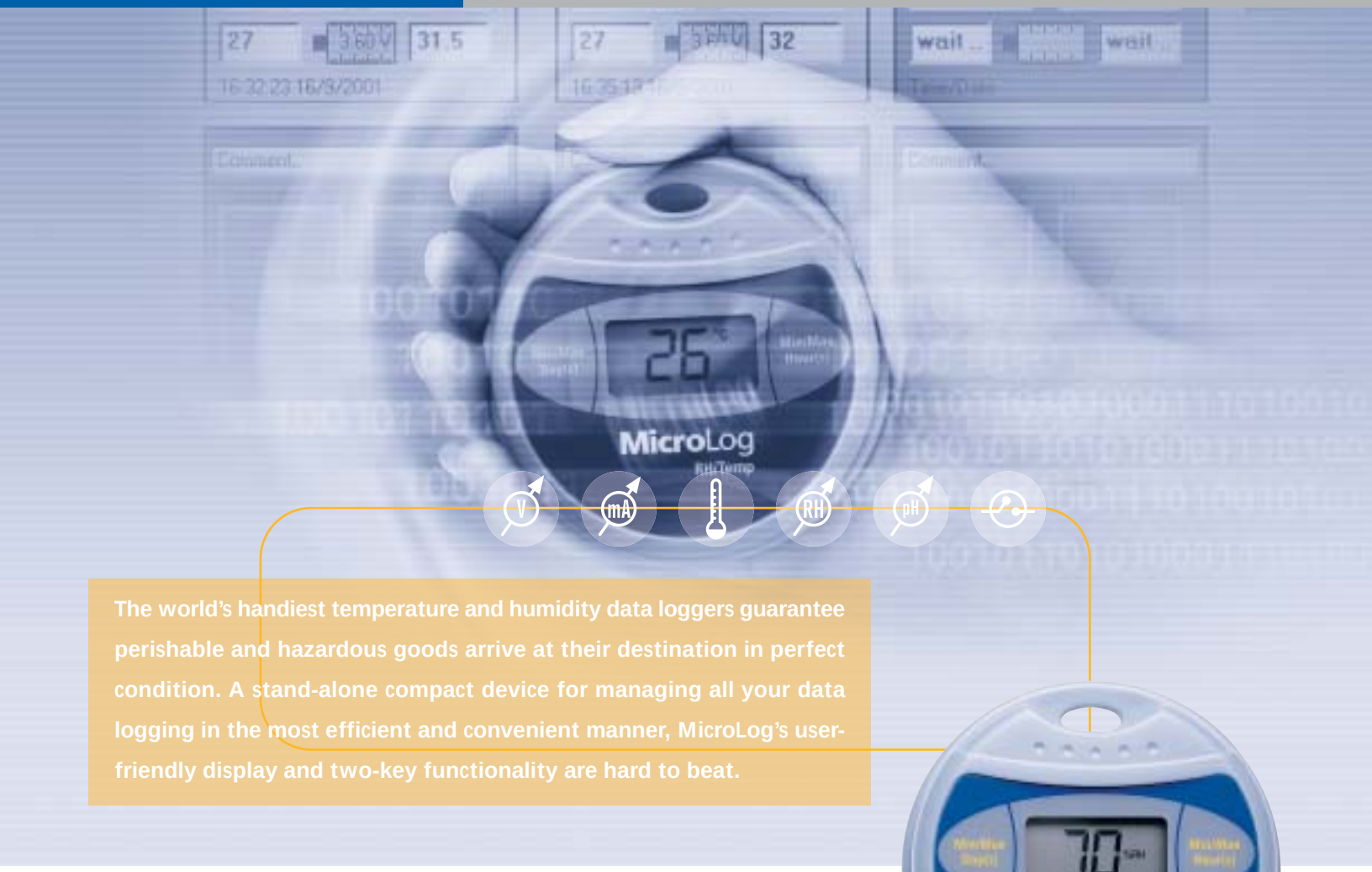
Committed to Quality

MicroLog™

The Quality Keeper



The world's handiest temperature and humidity data loggers guarantee perishable and hazardous goods arrive at their destination in perfect condition. A stand-alone compact device for managing all your data logging in the most efficient and convenient manner, MicroLog's user-friendly display and two-key functionality are hard to beat.

- Large digital display for convenient viewing
- External sensors enable additional data collection
- View up to 30 days min/max history on small keypad
- Water and dust proof (IP65)
- Built in quality sensors for temperature and humidity

- Infrared communication to a PC or portable printer
- Recording sample rate selected by user
- Records months of data – up to 16,000 samples
- Rugged exterior can handle any conditions

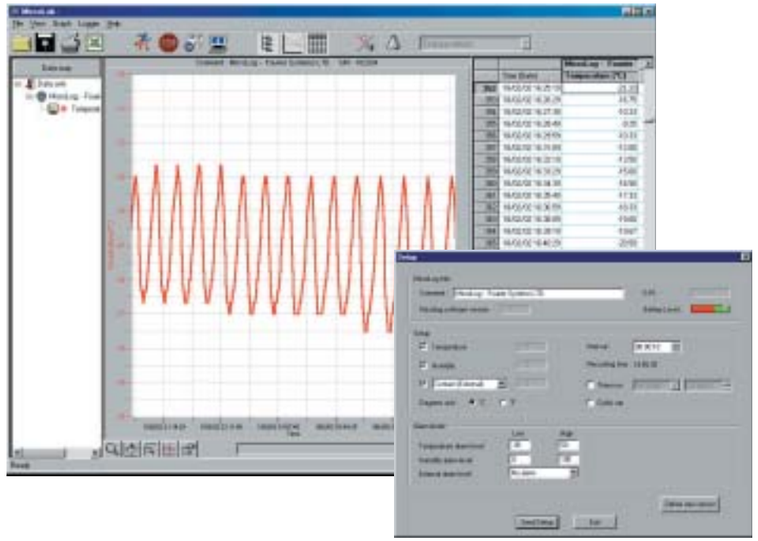
fourier

MicroLog™
The Quality Keeper

The handiest and most convenient quality keeper

Built to automate and simplify daily data logging tasks, MicroLog is a powerful temperature and humidity data logger that delivers an exceptionally ease of use approach along with numerous useful features.

MicroLog Software



Friendly Software

Once a transport reaches its destination, simply download the collected data to the program for further viewing and analysis or export to Excel®. Save the data and keep it for future reference.

Alarm Levels

Users define alarm levels for the specific shipment and the display starts flashing when thresholds are crossed.

View Current Readings

MicroLog continuously displays the current level of temperature and relative humidity very clearly on its large digital display while logging the data in its internal memory.

Wireless Cradle

The MicroLog cradle is an optional accessory. It includes a small transmitter that relays measurements for up to 300 meters. In applications involving large warehouses and supermarkets, tens of MicroLog devices wirelessly transmit data to a single computer.

Add External Sensors

Additional data collection can be conducted by adding external temperature, pH, voltage, current or contact sensors.

View Min/Max History

Using the two big buttons on the front, users can view the minimum and maximum levels of temperature and relative humidity for selected time intervals. MicroLog continuously stores the measurements it takes for up to 2 years, and enables the swift retrieval of specific minimum and maximum data at any time.

Infrared Communication

MicroLog users can instantly print a hard copy of the data by pointing the infrared beam at a small printer. Stored measurements can be uploaded to a PC with an IRDA port in the same manner.

MicroLog Applications

Transportation
Take MicroLog on the road to ensure goods being transported under optimal conditions.

Food Storage
Optimize the way food is stored and monitored in supermarkets and restaurants.

Museums
Protect valuable art by ensuring appropriate temperature, humidity and light conditions at all times.

HVAC
MicroLog simplifies monitoring large commercial heating and air conditioning systems.

Controlled Areas
Maintain specific humidity and temperature levels in clean rooms and special storage areas.

MicroLog™
The Quality Keeper

New

MicroLog Cradles

Whether it's the alarm cradle, or wireless cradle with an alarm, Fourier cradles can be used as a mount for any MicroLog device

Order Now

Portable IR Printer
Instantly produce a hard copy of your data by directing MicroLog's infrared beam at this portable printer

About Fourier

Fourier Systems Ltd. is a worldwide leader of compact portable data logging devices and accessories for the industrial market. From its flagship MicroLog™ device for maintaining quality, to the innovative MicroLog Plus™ family that enables remote data logging of up to 200 data loggers, and the latest DAQPRO™ series that enables wireless data logging using friendly graphic displays, Fourier's robust line of advanced products is designed to automate and simplify daily data logging tasks. Beyond delivering quality products, Fourier is dedicated to providing sophisticated solutions that integrate the most advanced technologies. When it comes to professional data logging, leading companies around the world count on Fourier to provide them with the most up to date equipment.

Specifications

MicroLog

Input (Built In Sensors)	
Temperature	-30ºC to 50ºC (resolution 0.5ºC, accuracy 0.6ºC)
Relative Humidity	0-100% (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)
Memory capacity	16,000 samples
Power supply	Internal lithium battery – 3.6V TL5902 Battery life – approximately two years
Sampling rate	User defined: From 1 per 10 seconds to 1/two hours
Dimensions	Thickness: 22.9mm Round: 72mm diameter Weight: 55gr.
Standards	Water and dust proof IP65 standard compliance, for EC 600 model CE and FCC standard compliance

Ordering Information

Part Number	Description
MicroLog	
EC600	Temperature data logger
EC650	Temperature and relative humidity data logger
External Sensors	
DT132	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
This MicroLog sensor takes external temperature measurements in a wider range than the internal temperature sensor. With a faster response time than the internal sensor, it enables measuring materials that cannot be measured with the internal sensor.

Range:	-50ºC to 100ºC
Resolution:	Better than 1ºC Between -20º to 75º
Accuracy:	±2% of reading
Probe Length:	150 mm
Probe OD	6 mm
Max. temperature	150ºC

pH Sensor
Will help you monitor pH level of liquids.

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

Calibration single point, done with a small trimmer on the sensor.

0-10 Voltage Sensor
A general sensor that will measure any device or transmitter that produces a linear analog 0-10V output. The voltage can easily be converted to the correct measured units with the help of the MicroLab program.

Range:	0-10V
Accuracy:	± 3% before calibration
Input Impedance:	3 M
Calibration:	Two point calibration
OV protection:	+30V
Resolution:	0.05V

0-20 mA Current Sensor
This MicroLog external sensor can sample any device or transmitter, producing a linear current between 0-20 mA. The 0-20 mA can be converted to the correct measured units by using MicroLab's calibration option.

Range:	0-20 mA
Resolution:	±0.1 mA
Accuracy:	± 3% before calibration
Calibration:	Two point calibration
OC protection:	55 mA

Contact Adapter
This MicroLog sensor monitors reed relay contacts and switch status (open/closed), to identify the correlation between phenomena such as temperature change and door status.

Range:	open/close
Connector:	Screw Terminal
Cable Length:	2.5 m
Internal Pull-Up Resistor:	No need for external power source.