MICRORHTEMP
MINIATURE HUMIDITY & TEMPERATURE DATA LOGGER

MADGETECH
WE BUILD DATA LOGGERS

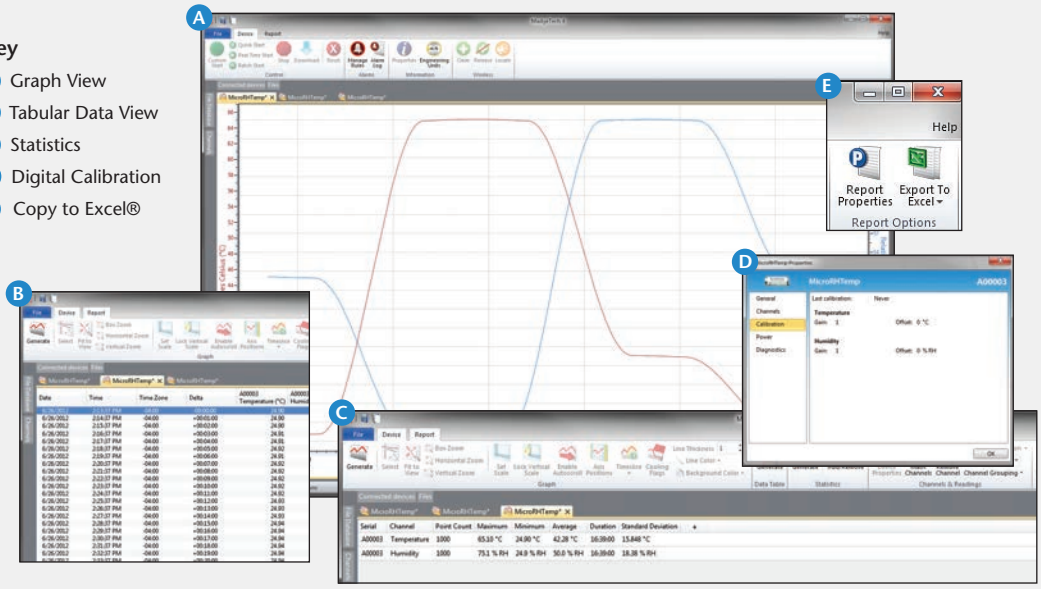
Features
- Ultra-small package
- Configurable temperature alarm
- Programmable start time
- Real time operation
- Up to one year battery life
- Reusable
- User friendly
- Low cost

Applications
- Medical and Pharmaceutical
- Cold Chain Monitoring
- Remote data logging
- Warehouse monitoring
- HVAC
- Museum monitoring
- Environmental studies
- Shipping and storage
- Implement HACCP programs

The MicroRHTemp is a battery powered, stand alone humidity and temperature recorder that can fit in the tightest places. It is even small enough to fit into most pill bottles. It features an LED alarm indicator that alerts when user-chosen temperature limits are exceeded. This all-in-one compact, portable, easy to use device will measure and record up to 16,383 measurements per channel. The storage medium is non-volatile solid state memory, providing maximum data security even if the battery becomes discharged. Start and stop the device directly from your computer and data retrieval is quick and easy. Simply plug it into an empty COM or USB port and our user-friendly software does the rest.

MADGETECH DATA LOGGER SOFTWARE

Key
- A Graph View
- B Tabular Data View
- C Statistics
- D Digital Calibration
- E Copy to Excel®



Software Features:
- Multiple graph overlay
- Statistics
- Digital calibration
- Zoom in/ zoom out
- Lethality equations (F0, PU)
- Mean Kinetic Temperature
- Full time zone support
- Data annotation
- Min./Max./Average lines
- Data table view
- Automatic report generation
- Summary view
- Multilingual

MICRORHTEMP SPECIFICATIONS*

*SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. SPECIFIC WARRANTY REMEDY LIMITATIONS APPLY.

Temperature Sensor:	Semiconductor
Temperature Range:	0 °C to +60 °C (+32 °F to +140 °F)
Temperature Resolution:	0.1 °C (0.18 °F)
Calibrated Accuracy:	±0.5 °C (±0.9 °F)
Humidity Sensor:	Semiconductor
Humidity Range:	0 %RH to 95 %RH
Humidity Resolution:	0.1 %RH
Calibrated Accuracy:	±3.0 %RH (±2.0 %RH typical @ +25 °C)
Specified Accuracy Range:	+10 °C to +40 °C (+50 °F to +104 °F), 10 %RH to 80 %RH
Response Time:	90% change in 60 seconds in slow moving air
Calibration:	Digital calibration through software
Start Modes:	Software programmable immediate start or delay start up to six months in advance
Real Time Recording:	May be used with PC to monitor and record data in real time

BATTERY WARNING: DO NOT DISPOSE OF IN FIRE OR RECHARGE—MAY EXPLODE OR LEAK AND CAUSE PERSONAL INJURY.

Memory:	16,383 readings per channel; 32,766 total readings
Reading Rate:	1 reading every 2 seconds up to 1 reading every 12 hours
Time Accuracy:	±1 minute/month @ +20 °C (+68 °F)
Data Format:	Date and time stamped °C, °F, K, °R; %RH, mg/ml water vapor concentration
Battery Type:	2 - 1.55V SR1154W batteries included, **user replaceable**
Battery Life:	1 year typical (15 minute reading rate, +25 °C (+77 °F))
Activity Indicator:	Green LED blinks every 15 seconds to indicate device has been started
Temperature Alarm:	Programmable temperature alarm with high and low limits selectable in software; when logged data reaches or exceeds either limit, the red LED blinks every three seconds
Computer Interface:	PC serial or USB (interface cable required) 38,400 baud
Software:	XP SP3/Vista/Windows 7/Windows 8
Operating Environment:	0 °C to +60 °C (+32 °F to +140 °F), 0 %RH to 95%RH non-condensing
Dimensions:	1.5 in x 0.6 in dia. (39 mm x 16 mm dia.)
Weight:	1 oz (30 g)
Enclosure:	303 stainless steel

ORDERING INFORMATION

MODEL	DESCRIPTION
MicroRHTemp	Miniature Humidity and Temperature Recorder
IFC102	Software, manual and RS232 interface cable for Micro Series
IFC202	Software, manual and USB interface cable for Micro Series
Calibration Certificate	Calibration Certificate available for data logger
SR1154W	Replacement battery for MicroRHTemp

ASK ABOUT OUR OTHER DATA LOGGERS

Temperature
Humidity
Pressure
pH
Level
Shock
LCD Display
Pulse/Event/State
Current
Voltage
Wireless
Intrinsically Safe
Spectral Vibration
Motion

MADGETECH
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