

MICRORHTEMP

MINIATURE HUMIDITY & TEMPERATURE DATA LOGGER

Features

- Ultra-small package
- N.I.S.T. traceable
- Configurable temperature alarm
- Programmable start time
- Real-time operation
- Up to one year battery life
- Reusable
- User friendly
- Low cost
- CE compliant

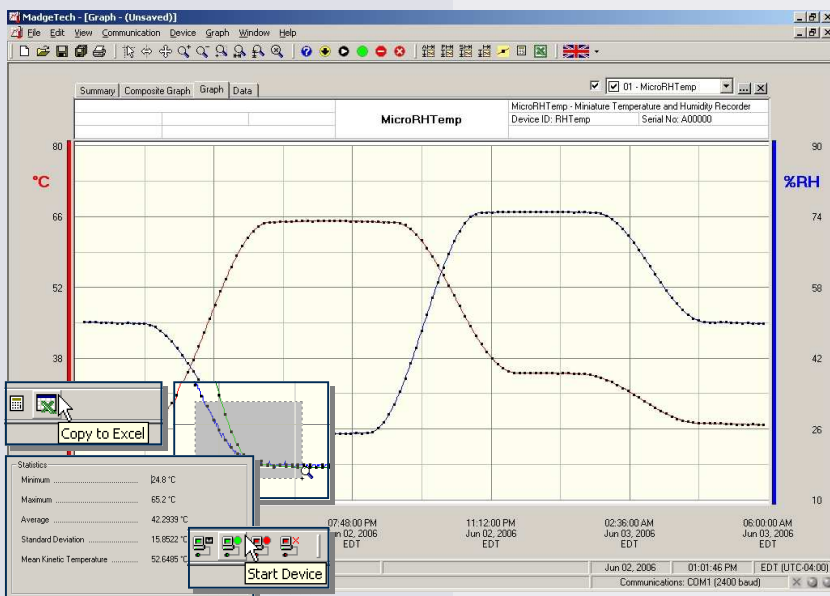
Applications

- 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.



*Actual size shown



MadgeTech Data Recorder Software

displays humidity and temperature data in an easy to use graph.

The Windows®-based software package allows the user to effortlessly collect, display and analyze data. A variety of powerful tools allow you to examine, export, and print professional looking data with just a click of the mouse.

Click [MadgeTech Software](#) for more information or to download the software.

MICRORHTEMP SPECIFICATIONS*

Temperature Sensor: Semiconductor	Memory: 16,383 readings per channel; 32,766 total readings
Temperature Range: 0 to +50°C	Reading Rate: 1 reading every 2 seconds to 1 every 12 hours
Temperature Resolution: 0.1°C	Time Accuracy: ±1 minute/month @ 20°C
Calibrated Accuracy: ±0.5°C	Data Format: Date and time stamped °C, °F, K, °R; %RH, mg/ml water vapor concentration
Humidity Sensor: Semiconductor	Battery Type: 2 - 1.55V SR1154W batteries included, user replaceable
Humidity Range: 0 to 95%RH	Battery Life: 1 year typical (15 minute reading rate, 25°C)
Humidity Resolution: 0.5%RH	Activity Indicator: Green LED blinks every 15 seconds to indicate device has been started
Calibrated Accuracy: ±3.0%RH (±2.0%RH typical @ 25°C)	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
Specified Accuracy Range: +10 to +40°C, 10 to 80%RH	Computer Interface: PC serial or USB (interface cable required) 38,400 baud
Response Time: 90% change in 60 seconds in slow moving air	Software: Windows 95/98/ME/NT/2000/XP/Vista based software
Calibration: Digital calibration through software	Operating Environment: 0 to +50°C, 0 to 95%RH non-condensing
Start Modes: Software programmable immediate start or delay start up to six months in advance	Dimensions: 1.5" x 0.6" dia. (39mm x 16mm dia.)
Real Time Recording: May be used with PC to monitor and record data in real time	Weight: 1 oz (30 g)
	Enclosure: 303 stainless steel
	Approvals: CE

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

SOFTWARE FEATURES

Multiple Graphs: Simultaneously analyze data from several units or deployments; easily switch to a single data series	Statistics: Calculate averages, min, max, standard deviation, and mean kinetic temperature with the touch of a button
Graphical Cursor: One click displays readings by time, value, parameter or sample number	Export Data: Export data in a variety of common formats, or switch to Excel® with a single click
Data Table: Instantly access tabular view for detailed dates, times, values, and annotations	Calibration: Automatically calculate and store calibration parameters
Scaling Options: Autoscale function fits data to the screen, or allows user to manually enter their own values	Logger Configuration: Easy set up and launch of data loggers with immediate or delayed start, preferred sample rate, and device ID
Formatting Options: Change colors, line styles, plotting options, show or hide channels quickly	Communications: Automatically sets up communications port, or lets user select configuration

*SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. SPECIFIC WARRANTY AND REMEDY LIMITATIONS APPLY. CALL 1-603-456-2011 OR GO TO WWW.MADGETECH.COM FOR DETAILS.

ORDERING INFORMATION

Model	Description	Price (U.S.)
MicroRHTemp	Miniature Humidity and Temperature Recorder	\$299.00
IFC102	Software, manual and RS232 interface cable for Micro Series	\$ 99.00
IFC202	Software, manual and USB interface cable for Micro Series	\$119.00
NIST	N.I.S.T. Calibration Certificate	Call for Pricing
SR1154W	Replacement battery for MicroRHTemp	\$5.00
SVP-Secure	Protocols for validating the 21 CFR Part 11 ready, secure data logging system	\$600.00
SVP-Secure License	License for MadgeTech SVP-Secure Software (unlimited users, license per computer)	\$1000.00

ASK ABOUT OUR OTHER DATA RECORDERS

Temperature	Pulse/Event/State
Humidity	Low Level Current
Pressure	Low Level Voltage
pH	RF Transmitters
Level	Intrinsically Safe
Shock	Spectral Vibration
LCD Display	



For Quantity Discounts call 603-456-2011 or email sales@madgetech.com

879 Maple Street · Contoocook, NH 03229
PO Box 50 · Warner, NH 03278 · Phone: (603) 456-2011 · Fax: (603) 456-2012

DOC-1021009-00 REV F 2009.07.01