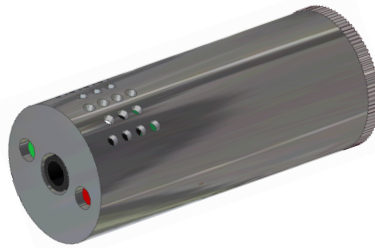


### FEATURES

- ❖ 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

### Applications

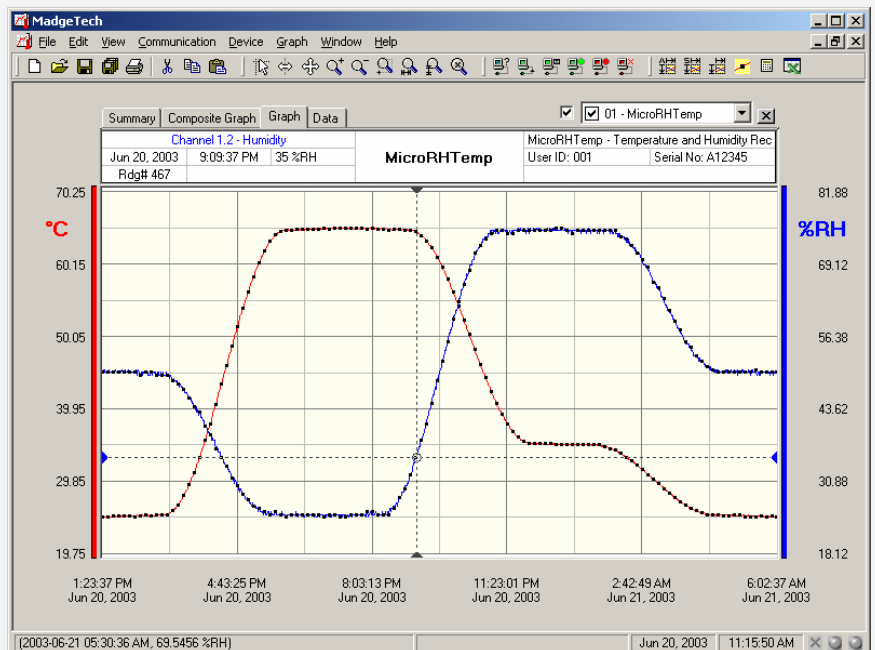
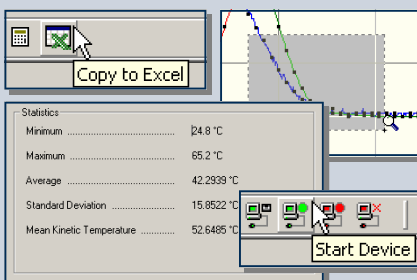
- ❖ Medical/Pharmaceutical
- ❖ Cold Chain monitoring
- ❖ Remote data logging
- ❖ Warehouse monitoring
- ❖ HVAC
- ❖ Museum Monitoring
- ❖ Environmental studies
- ❖ Replace costly strip chart recorders
- ❖ Implement HACCP programs



The MICRORHTEMP is the world's smallest, battery powered, stand alone humidity and temperature recorder. This is an all-in-one compact, portable, easy to use device that 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. The device can be started and stopped directly from your computer and it's ultra-miniature size allows the user the ability to use the device in the tightest spaces. The MICRORHTEMP makes data retrieval quick and easy. Simply plug it into an empty COM port and our user-friendly software does the rest.

### Software

MadgeTech's Data Recorder Software is an easy to use Windows based software package that 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.



Demo our software at [www.madgetech.com](http://www.madgetech.com)

## MICRORHTEMP SPECIFICATIONS

<b>Temperature Sensor:</b> Semiconductor	<b>Memory:</b> 16,383 readings per channel
<b>Temperature Range:</b> 0 °C to +50 °C	<b>Reading Interval:</b> 1 reading every 2 seconds to 1 every 12 hours
<b>Temperature Resolution:</b> 0.1 °C	<b>Time Accuracy:</b> ±1 minute/month @ 20 °C
<b>Calibrated Accuracy:</b> ±0.5 °C	<b>Data Format:</b> Date and time stamped °C, °F, °K, °R ; %RH, mg/ml water vapor concentration
<b>Humidity Sensor:</b> Semiconductor	<b>Power:</b> 2 - 1.55V SR1154W batteries included
<b>Humidity Range:</b> 0 to 100% RH	<b>Battery Life:</b> 1 year typical (15 minute reading rate, 25 °C)
<b>Humidity Resolution:</b> 0.5% RH	<b>Activity Indicator:</b> Green LED blinks every 15 seconds to indicate device has been started
<b>Calibrated Accuracy:</b> ±3.0 %RH (±2.0 %RH typical @ 25°C)	<b>Temperature Alarm:</b> 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
<b>Response Time:</b> 90% change in 60 seconds in slow moving air	<b>Computer Interface:</b> PC serial or RS232C COM (Interface cable required) 38,400 baud
<b>Accuracy Range:</b> 10 to 80 %RH, +10 °C to +40 °C	<b>Software:</b> Windows 95/98/ME/NT/2000/XP based software
<b>Calibration:</b> Digital calibration through software	<b>Operating Environment:</b> 0 °C to +50 °C, 0 to 95 %RH non-condensing
<b>Calibration Date:</b> Automatically recorded within device	<b>Dimensions:</b> 1.5" x 0.6" dia. (39mm x 16mm dia.)
<b>Start Time:</b> Software programmable start time and date. Up to six months in advance	<b>Weight:</b> 1 oz (30 g)
<b>Real Time Recording:</b> May be used with PC to monitor and record data in real time	<b>Enclosure:</b> 303 stainless steel

## SOFTWARE FEATURES

<b>Multiple Graphs:</b> Simultaneously analyze data from several units or deployments; easily switch to a single data series	<b>Statistics:</b> Calculate averages, min, max, standard deviation, and mean kinetic temperature with the touch of a button
<b>Real-Time Recording:</b> Collect and display data in real-time while continuing to log	<b>Export Data:</b> Export data in a variety of common formats, or switch to Excel with a single click
<b>Graphical Cursor:</b> One click displays readings by time, value, parameter or sample number	<b>Calibration:</b> Fully digital calibration function automatically stores parameters in device
<b>Data Table:</b> Instantly access tabular view for detailed dates, times, values, and annotations	<b>Logger Configuration:</b> Easy set up and launch of data loggers with immediate or delayed start, preferred sample rate, and device ID
<b>Scaling Options:</b> Autoscale function fits data to the screen, or allows user to manually enter their own values	<b>Communications:</b> Automatically sets up communications port, or lets user set configuration
<b>Formatting Options:</b> Change colors, line styles, plotting options, show or hide channels in an instant	<b>Printing:</b> Automatically print graphical or tabular data

\*As part of our commitment to continuous product improvement, MadgeTech reserves the right to change product specifications without notice

### ORDERING INFORMATION

Model	Description
MICRORHTEMP	Miniature Humidity & Temperature Recorder
IFC102	Software, manual and 9-pin computer interface cable
N.I.S.T. Cert	N.I.S.T. Calibration Certificate

### ASK ABOUT OUR OTHER DATA RECORDERS

<b>Temperature</b>	<b>Voltage</b>
<b>Humidity</b>	<b>Current</b>
<b>Pressure</b>	<b>Submersible</b>
<b>pH</b>	<b>Intrinsically Safe</b>
<b>Level</b>	<b>RF Transmitters</b>
<b>Shock/Vibration</b>	<b>Multi-parameter</b>
<b>Pulse/Event</b>	



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