MICRORHTEMP

MINIATURE HUMIDITY & TEMPERATURE DATA LOGGER

Features

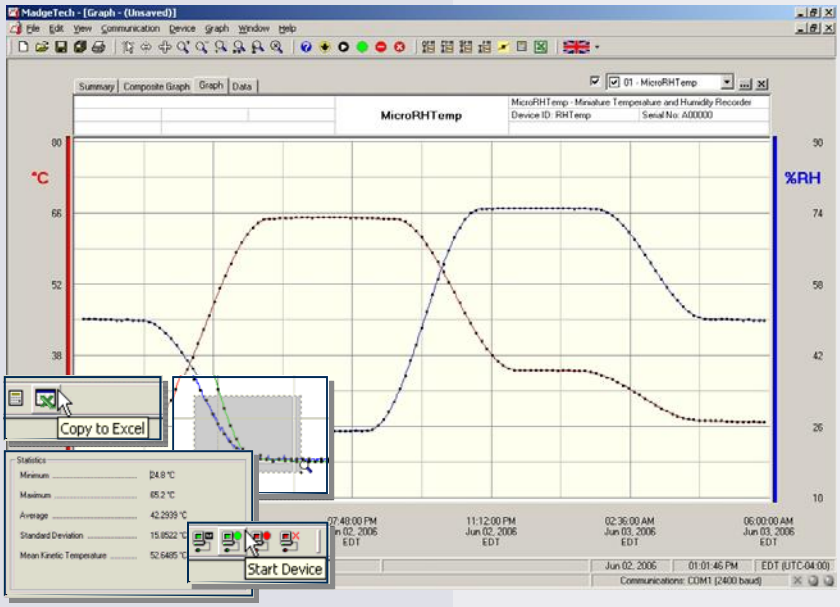
- Ultra-small package
- N.I.S.T. traceable
- Configurable temperature alarm
- Programmable start time
- Real-time operation
- Up to one year battery life
- Reusable
- User friendly
- Low cost
- CE compliant

Applications

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

*Actual size shown

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.



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.

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MICRORHTEMP SPECIFICATIONS*

Temperature Sensor:	Semiconductor
Temperature Range:	0 to +60ºC
Temperature Resolution:	0.1ºC
Calibrated Accuracy:	±0.5ºC
Humidity Sensor:	Semiconductor
Humidity Range:	0 to 95%RH
Humidity Resolution:	0.5%RH
Calibrated Accuracy:	±3.0%RH (±2.0%RH typical @ 25ºC)
Specified Accuracy Range:	+10 to +40°C, 10 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 to 1 every 12 hours
Time Accuracy:	±1 minute/month @ 20ºC
Data Format:	Date and time stamped ºC, ºF, K, ºR; %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)
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/Vlsta/Windows 7
Operating Environment:	0 to +60ºC, 0 to 95%RH non-condensing
Dimensions:	1.5" x 0.6" dia. (39mm x 16mm dia.)
Weight:	1 oz (30 g)
Enclosure:	303 stainless steel
Approvals:	CE

SOFTWARE FEATURES

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