MadgeTech
WE BUILD DATA LOGGERS

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
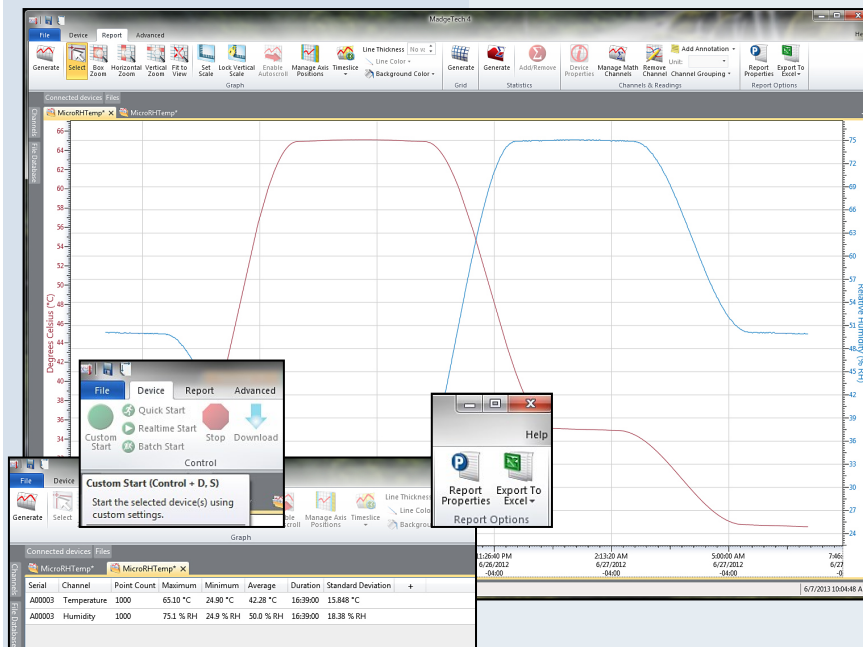- User friendly
- Low cost
- CE compliant

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

Temperature Range: 0 to +60ºC

Temperature Resolution: 0.1ºC

Calibrated Accuracy: ±0.5ºC

Humidity Sensor: Semiconductor

Humidity Range: 0 to 95%RH

Humidity Resolution: 0.1%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 °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)

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

Operating Environment: 0 to +60ºC, 0 to 95%RH non-condensing

Dimensions: **1.5" x 0.6" dia. (39mm x 16mm dia.)**

Weight: 1oz (30g)

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

*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

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