

# MicroRHTemp

## Miniature Humidity and Temperature Data Logger



The MicroRHTemp is a battery powered, stand alone humidity and temperature data logger 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 or humidity 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 or with programmable start time and data retrieval is quick and easy. Simply plug it into an empty USB port with an interface cable (IFC202) and our user-friendly software does the rest.

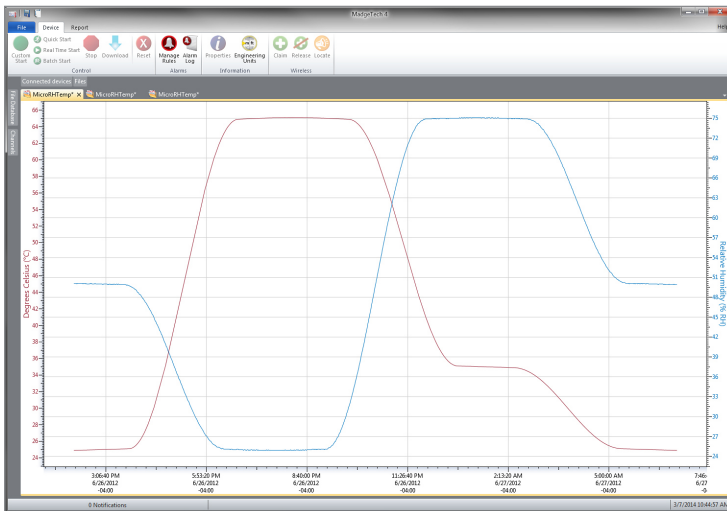
### Features

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

### Applications

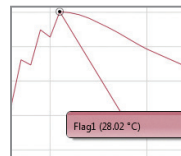
- Medical and Pharmaceutical
- Cold Chain Monitoring
- Remote data logging
- Warehouse monitoring
- HVAC
- Museum monitoring
- Environmental studies
- Shipping and storage
- Implement HACCP programs

## MadgeTech 4 Software Features

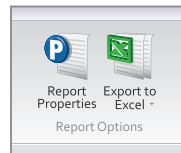


Graph View

- 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
- Summary view



Cooling Flags

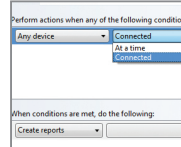


Export to Excel

 A screenshot of the software's 'Tabular Data View' showing a table of recorded data.
 

Serial	Channel	Point Count	Minimum	Maximum
40003	Temperature	3000	65.10 °C	24.90 °C
40003	Humidity	3000	75.1 % RH	24.8 % RH

Tabular Data View



Automation

## SPECIFICATIONS

Specifications are subject to change without notice. Specific warranty remedy limitations apply. Call (603) 456-2011 or go to [madgetech.com](http://madgetech.com) for details.

TEMPERATURE	
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	
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

GENERAL	
Start Modes	Software programmable immediate start Delay start up to 6 months in advance
Real Time Recording	May be used with PC to monitor and record data in real time
Memory	16,383 readings per channel; 32,766 total readings
Reading Rate	1 reading every 2 seconds up to 1 reading every 12 hours
LEDs	1 status and 1 alarm LED
Response Time	90% change in 60 seconds in slow moving air
Calibration	Digital calibration through software
Calibration Date	Automatically recorded within device
Battery Type	(2) 1.55V SR1154W batteries included, user replaceable
Battery Life	1 year typical at 15 minute reading rate, +25 °C (+77 °F)
Data Format	Date and time stamped °C, °F, K, °R; %RH, mg/ml water vapor concentration
Time Accuracy	±1 minute/month at +20 °C (+68 °F)
Computer Interface	USB (interface cable required); 38,400 baud
Operating System Compatibility	Windows XP SP3 or later
Software Compatibility	Standard Software version 2.00.58a or later Secure Software version 3.00.67 or later
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)
Material	303 Stainless Steel
Approvals	CE

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

## Ordering Information

MicroRHTemp	PN 900362-00	Miniature Humidity and Temperature Data Logger
IFC202	PN 900309-00	USB interface cable
SR1154W	PN 901570-00	Replacement battery for the MicroRHTemp (2 required)

For Quantity Discounts call (603) 456-2011 or email [sales@madgetech.com](mailto:sales@madgetech.com)