Features

- Rugged
- Reusable
- Programmable start time
- Real-time operation
- Automatic dew point & vapor concentration calculations
- N.I.S.T. traceable
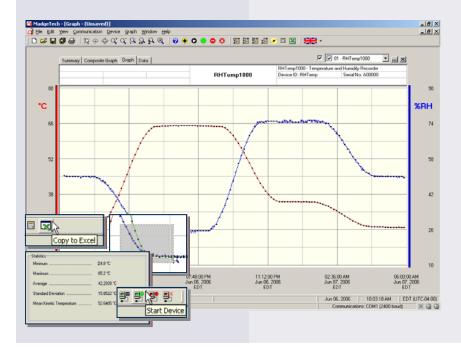- CE compliant
- User-friendly
- Low cost

Applications

- Implement HACCP Programs
- Food preparation and processing
- Environmental studies
- Warehouse monitoring
- Hostile environment monitoring
- Medical & Pharmceutical

The RHTemp1000 humidity and temperature logger is a rugged, water resistant (case properly sealed), battery powered, stand alone device which can be used to automatically record humidity and temperature. This all in one compact, portable, easy to use device is able to measure and record up to 21,845 humidity and temperature measurements. The RHTemp1000 is ideal for use in harsh environments. Its real time clock ensures that all the data is time and date stamped. 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 its small size allows it to fit almost anywhere. The RHTemp1000 makes data retrieval quick and easy. Simply plug the device into an empty COM or USB port and our user-friendly software does the rest.

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.

RHTEMP1000 SPECIFICATIONS*

Temperature Sensor: Semiconductor

Temperature Range: -40 to +80°C

Temperature Resolution: 0.1°C

Calibrated Accuracy: ±0.5°C (0 to +50°C)

Humidity Sensor: Semiconductor

Humidity Range: 0 to 100%RH

Humidity Resolution: 0.5%RH

Calibrated Accuracy: ±3%RH (±2%RH typical at 25°C)

Specified Accuracy Range: +10 to +40°C, 10 to 80%RH

Response Time: 90% change in 60 seconds in slow moving air (end cap fully open)

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

Memory: 21,845 readings per channel; 43,690 total readings

Reading Rate: 1 reading every 2 seconds to 1 every 12 hours

Calibration: Digital calibration through software

Calibration Date: Automatically recorded within device

Battery Type: 3.6V lithium battery included, **user replaceable**

Battery Life: 1 year typical at 25°C, 1 minute reading intervals

Data Format: Date and time stamped °C, °F, K, °R ; %RH, mg/ml water vapor concentration

Time Accuracy: ±1 minute/month at 20°C (RS232 port not in use)

Computer Interface: PC serial or USB (interface cable required); 2400 baud

Software: Windows 95/98/ME/NT/2000/XP/Vista based software

Operating Environment: -40 to +80°C, 0 to 100%RH (case properly sealed)

Dimensions: 5.4" x 1.0" dia. (138mm x 26mm dia.)

Weight (Aluminum) : 5 oz (145 g)

Weight (Stainless) : 10 oz (285 g)

Approvals: CE

BATTERY WARNING: RISK OF FIRE OR EXPLOSION. DO NOT RECHARGE, FORCE OPEN, HEAT OR DISPOSE OF IN FIRE.

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.

ORDERING INFORMATION

Model	Description	Price (U.S.)
RHTEMP1000	Rugged Humidity and Temperature Recorder in aluminum enclosure	
RHTEMP1000-SS	Rugged Humidity and Temperature Recorder in stainless steel enclosure	
IFC110	Software, manual and RS232 interface cable	
IFC200	Software, manual and USB interface cable	
NIST	N.I.S.T. Calibration Certificate	
TL-2150	Replacement battery for RHTemp1000 (SS)	

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	

MADGETECH

WE BUILD DATA LOGGERS