

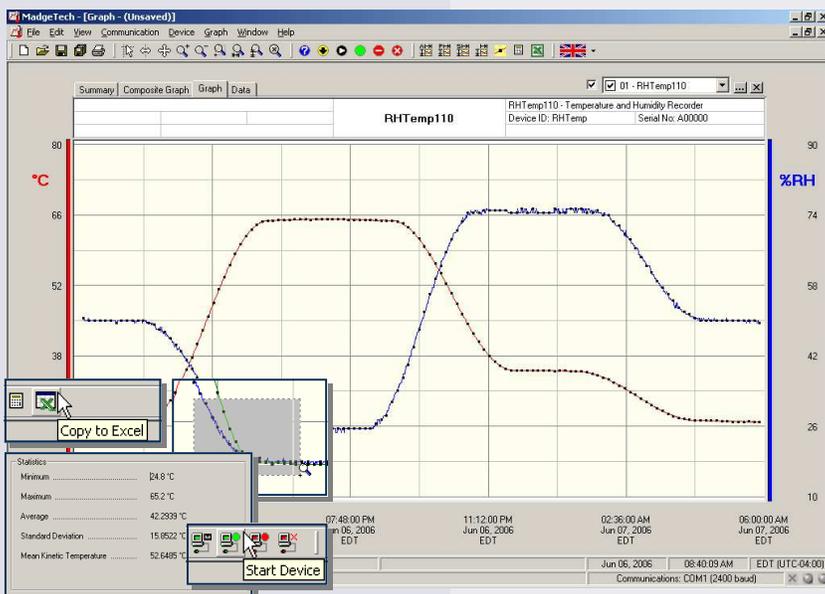
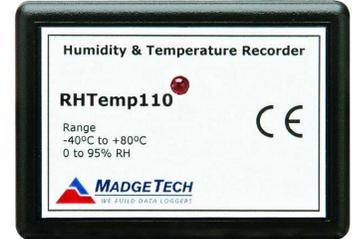
Features

- 10 year battery life
- High speed download
- N.I.S.T. traceable
- Real-time operation
- Low cost
- Programmable start time
- Reusable
- Miniature Size
- User-friendly
- CE compliant

Applications

- Remote data logging
- Warehouse monitoring
- HVAC
- Medical and Pharmaceutical
- Museum monitoring
- Environmental studies
- Implement HACCP programs
- Refrigeration
- Meat Aging

The RHTemp110 is a miniature, battery powered, stand alone humidity and temperature recorder. The RHTemp110 features a real-time clock module that extends the battery life up to 10 years and allows for high speed downloads. This is an all-in-one compact, portable, easy to use device that will measure and record up to 21,845 measurements. 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 small size allows it to fit almost anywhere. The RHTemp110 makes data retrieval quick and easy. Simply plug it into an empty COM/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.

RHTEMP110 SPECIFICATIONS*

Temperature Sensor: Semiconductor	Reading Rate: 1 reading every 2 seconds to 1 every 12 hours
Temperature Range: -40 to +80°C	Calibration: Digital Calibration through software
Temperature Resolution: 0.1°C	Calibration Date: Automatically recorded within device
Calibrated Accuracy: ±0.5°C (0 to +50°C)	Battery Type: 3.6V lithium battery included, user replaceable
Humidity Sensor: Semiconductor	Battery Life: 10 years (15 minute reading rate, 25°C)
Humidity Range: 0 to 95%RH	Data Format: Date and time stamped °C, °F, K, °R; %RH, mg/ml water vapor concentration
Humidity Resolution: 0.5%RH	Time Accuracy: ±1 minute/month (at 20 to 30°C)
Calibrated Accuracy: ±3.0%RH (±2%RH typical at 25°C)	Computer Interface: PC serial or USB (interface cable required); 57,600 baud
Specified Accuracy Range: +10 to +40°C, 10 to 80%RH	Software: Windows 95/98/ME/NT/2000/XP/Vista based software
Response Time: 90% change in 60 seconds in slow moving air	Operating Environment: -40 to +80°C, 0 to 95%RH non-condensing
Start Modes: Software programmable immediate start or delay start up to six months in advance	Dimensions: 1.7" x 2.3" x 0.8" (44mm x 59mm x 21mm)
Real Time Recording: May be used with PC to monitor and record data in real time	Weight: 2 oz (60 g)
Memory: 21,845 readings per channel; 43,690 total readings; software configurable memory wrap	Approvals: CE

BATTERY WARNING: FIRE, EXPLOSION, AND SEVERE BURN HAZARD. DO NOT RECHARGE, DISASSEMBLE, HEAT ABOVE 212°F, INCINERATE OR EXPOSE CONTENTS TO WATER.

SOFTWARE FEATURES

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

<u>Model</u>	<u>Description</u>
RHTEMP110	Humidity and Temperature Recorder
IFC110	Software, manual and RS232 interface cable
IFC200	Software, manual and USB interface cable
NIST	N.I.S.T. Calibration Certificate
LTC-7PN	Replacement battery for RHTemp110

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	

