



RHTEMP110

Humidity & Temperature Data Logger

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

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 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 per channel. 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 port and our user-friendly software does the rest.

APPLICATIONS

- Remote data logging
- Warehouse monitoring
- HVAC
- Medical/Pharmaceutical
- Museum monitoring
- Environmental studies
- Implement HACCP programs

SOFTWARE

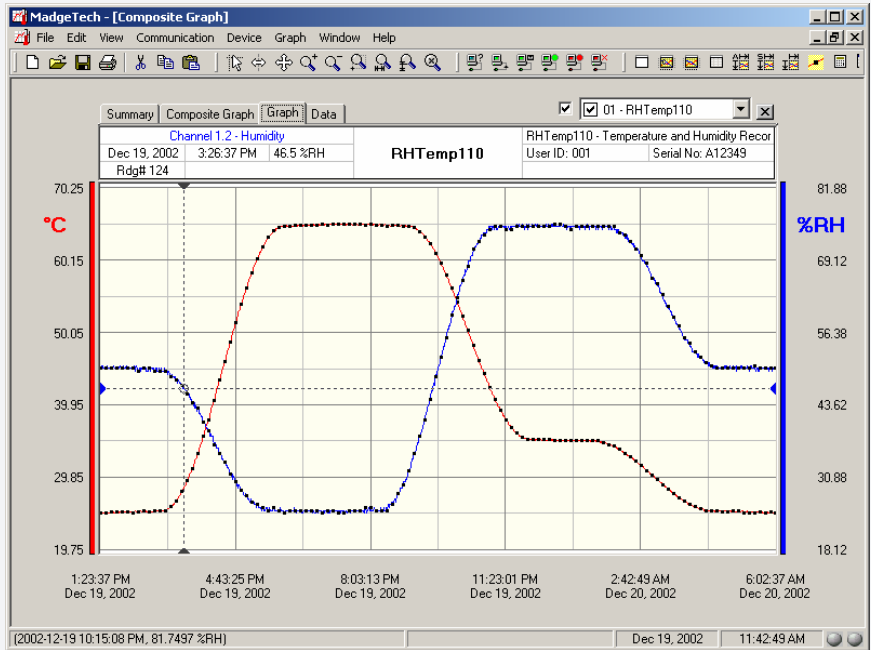
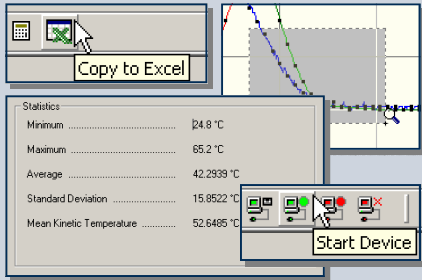
Linseis Data Logger

Software is an easy to use

Windows-based software package

that 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	Memory: 21,845 readings per channel
Temperature Range: -40 °C to +80 °C	Reading Interval: 1 reading every 2 seconds to 1 every 12 hours
Temperature Resolution: 0.1 °C	Calibration: Digital Calibration through software
Calibrated Accuracy: ±0.5 °C(0 to +50°C)	Calibration Date: Automatically recorded within device
Humidity Sensor: Semiconductor	Power: 3.6V lithium battery included
Humidity Range: 0 to 100% RH	*User Replaceable Battery: 10 years (15 minute reading rate, 25 °C)
Humidity Resolution: 0.5% RH	Data Format: Date and time stamped °C, °F, °K, °R ; %RH, mg/ml water vapor concentration
Calibrated Accuracy: ±3%RH (±2% RH typical at 25 °C)	Time Accuracy: ±1 minute/month (at 20 °C to 30 °C)
Response Time: 90% change in 60 seconds in slow moving air	Computer Interface: PC serial or RS232C COM (Interface cable required); 57,600 baud
Start Time: Software programmable Start time and date. Up to six months in advance	Software: Windows 95/98/ME/NT/2000/XP based software
Real Time Recording: May be used with PC to monitor and record data in real time	Operating Environment: -40 °C to +80 °C, 0 to 95 %RH non-condensing
	Dimensions: 1.61" x 2.26" x 0.76" (41mm x 58mm x 20mm)
	Weight: 2 oz (60 g)

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
Real-Time Recording: Collect and display data in real-time while continuing to log	Export Data: Export data in a variety of common formats, or switch to Excel with a single click
Graphical Cursor: One click displays readings by time, value, parameter or sample number	Calibration: Fully digital calibration function automatically stores parameters in device
Data Table: Instantly access tabular view for detailed dates, times, values, and annotations	Logger Configuration: Easy set up and launch of data loggers with immediate or delayed start, preferred sample rate, and device ID
Scaling Options: Autoscale function fits data to the screen, or allows user to manually enter their own values	Communications: Automatically sets up communications port, or lets user set configuration
Formatting Options: Change colors, line styles, plotting options, show or hide channels in an instant	Printing: Automatically print graphical or tabular data

ORDERING INFORMATION

Model	Description
RHTEMP110	Humidity & Temperature Recorder
IFC110	Software, manual and 9-pin computer interface cable
N.I.S.T. Cert	N.I.S.T. Calibration Certificate

ASK ABOUT OUR OTHER DATA RECORDERS

Temperature	Voltage
Humidity	Current
Pressure	Submersible
pH	Intrinsically Safe
Level	RF Transmitters
Shock/Vibration	Multi-parameter
Pulse/Event	