FUZYPRO DATA LOGGERS

FZRHTEMP101
Humidity & Temperature Recorder

FEATURES

- ❖ N.I.S.T. traceable
- ❖ Real-time operation
- ❖ Low cost
- ❖ Programmable start time
- ❖ Reusable
- ❖ Miniature size
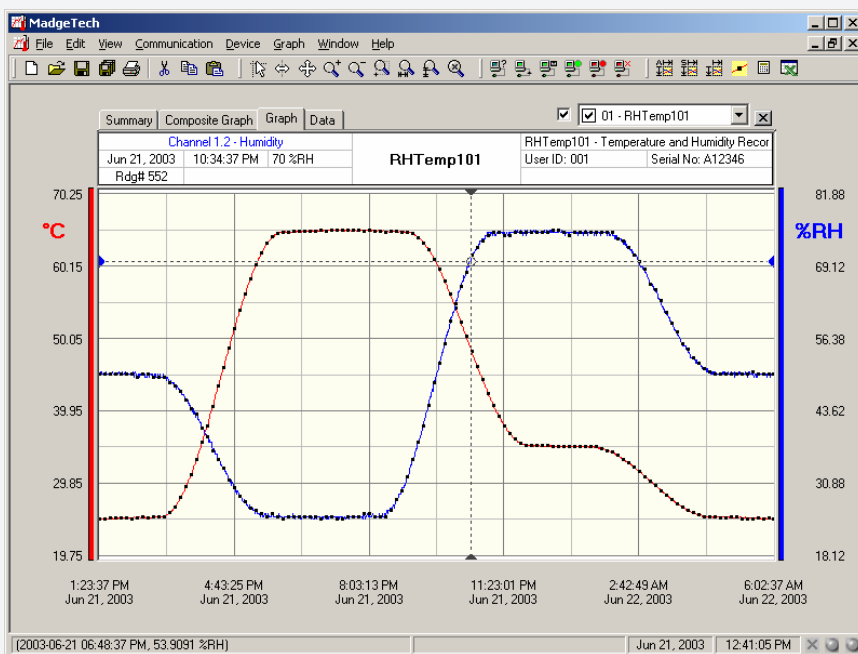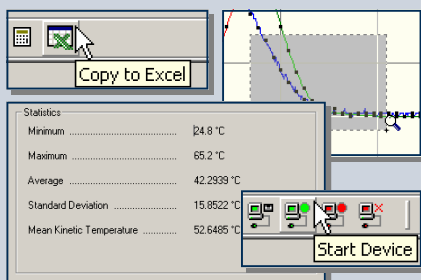- ❖ User-friendly

APPLICATIONS

- ❖ Warehouse monitoring
- ❖ HVAC
- ❖ Medical/pharmaceutical
- ❖ Museum monitoring
- ❖ Environmental studies
- ❖ Replace costly strip-chart recorders
- ❖ Implement HACCP programs
- ❖ Clean room monitoring
- ❖ Research and development

The FZRHTEMP101 is a miniature battery-powered, stand-alone humidity and temperature recorder.   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 RHTEMP101 makes data retrieval quick and easy. Simply plug it into an empty com port and our user-friendly software does the rest.

SOFTWARE

FUZYPRO's Data Recorder 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.

Temperature Sensor:	Semiconductor	**Memory:**	21,845 readings per channel
Temperature Range:	-40 ⁰C to +80 ⁰C	**Reading Interval:**	1 reading every 2 seconds to 1 every 12 hours
Temperature Resolution:	0.1 ⁰C	**Calibration:**	Digital calibration through software
*Calibrated Accuracy:	±0.5 ⁰C (0 to +50 ⁰C) ±1.0 ⁰C (-10 to +80 ⁰C) ±2.0 ⁰C (-40 to +80 ⁰C)	**Calibration Date:**	Automatically recorded within device
		Power:	3.6V lithium battery included
		User Replaceable Battery:	1 year typical
Humidity Sensor:	Semiconductor	**Data Format:**	Date and time stamped ⁰C, ⁰F, ⁰K, ⁰R ; %RH, mg/ml water vapor concentration
Humidity Range:	0 to 100% RH		
Humidity Resolution:	0.5% RH	**Time Accuracy:**	±1 minute/month (at 20 ⁰C, RS232 cable not in use)
Calibrated Accuracy:	±3%RH (±2% RH typical at 25 ⁰C)	**Computer Interface:**	PC serial or RS232C COM (Interface cable required); 2,400 baud
Response Time:	90% change in 60 seconds in slow moving air		
Start Time:	Software programmable start time and date. Up to six months in advance	**Software:**	Windows 95/98/ME/NT/2000/XP based software
		Operating Environment:	-40 ⁰C to +80 ⁰C, 0 to 95 %RH non-condensing
Real Time Recording:	May be used with PC to monitor and record data in real time	**Dimensions:**	1.4" x 2.2" x 0.6" (35mm x 55mm x 16mm)
		Weight:	1 oz (30 g)

*Calibrated accuracies are typical values based on a single point calibration performed at ambient temperature.
Device may be calibrated in desired range to improve accuracy.

RHTEMP101 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