



## MICRORHTEMP Miniature Humidity & Temperature Recorder

### FEATURES

- ✍ Ultra-small package
- ✍ N.I.S.T. traceable
- ✍ Real-time operation
- ✍ Low cost
- ✍ Programmable start time
- ✍ Reusable
- ✍ User friendly

### Applications

- ✍ Cold Chain monitoring
- ✍ 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.

The MICRORHTEMP is the world's smallest, 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 MICRORHTEMP is a major leap forward in both size and performance. Its real-time clock ensures that all data is time and date stamped

and the non-volatile solid state memory storage medium provides maximum data security even if the battery becomes discharged. The device can be started and stopped directly from your computer and it's ultra-miniature size allows the user the ability to use the device in the smallest spaces. The MICRORHTEMP makes data retrieval quick and easy. Simply plug it into an empty COM port and our user-friendly software does the rest.

## MICRORHTEMP SPECIFICATIONS

<b>Temperature Sensor:</b> Semiconductor	<b>Memory:</b> 21,845 readings per channel
<b>Temperature Range:</b> -20 °C to +70 °C	<b>Reading Interval:</b> 1 reading every 2 seconds to 1 every 12 hours
<b>Temperature Resolution:</b> 0.1 °C	<b>Calibration:</b> Digital calibration through software
<b>Calibrated Accuracy:</b> ±0.5 °C	<b>Calibration Date:</b> Automatically recorded within device
<b>Accuracy Range:</b> 0 to +50 °C	<b>Power:</b> 2 - 3.0V lithium batteries included
<b>Humidity Sensor:</b> Semiconductor	<b>Battery Life:</b> 4 months typical (5 minute reading rate, 25 °C)
<b>Humidity Range:</b> 0 to 100% RH	<b>Data Format:</b> Date and time stamped °C, °F, °K, °R ; %RH, mg/ml water vapor concentration
<b>Humidity Resolution:</b> 0.5% RH	<b>Time Accuracy:</b> ±1 minute/month (at 20 °C)
<b>Calibrated Accuracy:</b> ±3%RH (±2% RH typical at 25 °C)	<b>Alarm:</b> Programmable LED high/low temperature alarm
<b>Response Time:</b> 90% change in 60 seconds in slow moving air	<b>Computer Interface:</b> PC serial or RS232C COM (Interface cable required) 2400 baud
<b>Accuracy Range:</b> 10 to 80% RH, +10°C to +40°C	<b>Software:</b> Windows 95/98/ME/NT/2000/XP based software
<b>Start Time:</b> Software programmable Start time and date. Up to six months in advance	<b>Operating Environment:</b> -20 °C to +70 °C, 0 to 95 %RH non-condensing
<b>Real Time Recording:</b> May be used with PC to monitor and record data in real time	<b>Dimensions:</b> 1.5" x 0.6" dia (39mm x 16mm dia)
	<b>Weight:</b> 1 oz (30 g)
	<b>Enclosure:</b> White delrin or 303 stainless steel

## SOFTWARE FEATURES

<b>Multiple Graphs:</b> Simultaneously analyze data from several units or deployments; easily switch to a single data series	<b>Statistics:</b> Calculate averages, min, max, standard deviation, and mean kinetic temperature with the touch of a button
<b>Real-Time Recording:</b> Collect and display data in real-time while continuing to log	<b>Export Data:</b> Export data in a variety of common formats, or switch to Excel with a single click
<b>Graphical Cursor:</b> One click displays readings by time, value, parameter or sample number	<b>Calibration:</b> Fully digital calibration function automatically stores parameters in device
<b>Data Table:</b> Instantly access tabular view for detailed dates, times, values, and annotations	<b>Logger Configuration:</b> Easy set up and launch of data loggers with immediate or delayed start, preferred sample rate, and device ID
<b>Scaling Options:</b> Autoscale function fits data to the screen, or allows user to manually enter their own values	<b>Communications:</b> Automatically sets up communications port, or lets user set configuration
<b>Formatting Options:</b> Change colors, line styles, plotting options, show or hide channels in an instant	<b>Printing:</b> Automatically print graphical or tabular data

## ORDERING INFORMATION

Model	Description
MICRORHTEMP	Miniature Humidity & Temperature Recorder
IFC102	Software, manual and 9-pin computer interface cable
N.I.S.T. Cert	N.I.S.T. Calibration Certificate

## ASK ABOUT OUR OTHER DATA LOGGERS

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