



## Specifications

### TEMPERATURE CHANNEL

**Temperature Measurement Range:** -40°C to +80°C

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

**Temperature Resolution:** 0.1°C

### HUMIDITY CHANNEL

**Humidity Range:** 5% to 95% RH (non-condensing)

**Humidity Accuracy:** 3% RH

**Humidity Resolution:** 0.5% RH

**Temperature, Humidity Calibration:** Digital calibration is available through software.

**N.I.S.T. Traceable:** N.I.S.T. certificates available

**Calibration Date:** Automatically recorded within device to alert user when calibration is required.

**Recording Interval:** 30/minute to 2/day selectable through software.

**Start Time:** Start time and date are programmable through software.

**Alarm:** Programmable high and low limits. Alarm is activated when temperature goes outside limits.

**Real Time Recording:** Device may be used with PC to monitor and record data in real time.

**Visual Indicator:** LED flashes at selected reading rate or at 1 sec. rate under alarm condition.

**Memory:** 10,922 temperature readings and 10,922 humidity readings max.

**User-Replaceable Battery:** 1 year typical.

**Data Format:** Date and Time stamped, % RH, mg. of water vapor concentration, °C, °F, °K, °R.

**Shock resistance:** Drop proof to 5'.

**Weight:** 1 oz. (30g)

**Computer Interface:** RS232C Serial Port

**Software:** Windows®95/98/NT/2000/XP based software for complete control and operation.

**Operating Environment:** -40°C to + 80°C, (-40°F to +176°F) 5% to 95% RH (non-condensing).

**Dimensions:** 1.4"Hx2.2"Lx0.6"D (36mm x 56mm x 16mm)

**Material:** ABS Plastic

## Software Features

*The software used to operate the RHTemp101 requires no programming skills. It enables users to effortlessly select reading rate, user ID and initiate the start of data collection within moments after user connects hardware. After retrieving the data, it may be viewed instantly in graphical or tabular form.*

**Zoom In/Out:** Use mouse to click and drag to select area for zooming in or out.

**Statistics:** min, max, mean, mean kinetic temperature, standard deviation

**Cursor:** Use mouse to click on graph to obtain specific reading information.

**Programmable Start Time:** Program start time and date through software.

**Real Time Operation:** Convert PC into strip chart recorder for real time data collection.

**Annotating Data:** All data points may be easily annotated.

**Printing:** Automatic printing of data in graphical or tabular form

**Units:** °C, °F, °K, °R, %RH, dew point, mg. of water vapor concentration.

**User ID:** Programmable through software and stored within device.

**AutoScale:** Autoscale function may be enabled or disabled by user.

**Calibration:** Automatic calibration in software and calibration parameters stored within device

**Exporting Data:** All data can be directly exported to Microsoft Excel® or to text format.

**Graph Grid Size:** Many options for grid size available.

## ORDERING INFORMATION

Item No.	Model	Description
5399-0201	RHTemp101	Temp and Humidity Data Logger
5399-9901	IFC101	9 Pin Computer Interface Cable Software & Manual
5399-9999	N.I.S.T. Cert.	N.I.S.T. Calibration Certificate

## Ask About Our Other Data Loggers

Temperature	4.0 to 20.0 mA
Humidity	Pulse/Counter
Pressure	Submersible
pH	Level
Shock/Vibration	Multi-Parameter
Voltage	Intrinsically Safe
RF Transmitters	

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