



## RHTEMP101 SPECIFICATIONS\*

**Temperature Sensor:** Internal Semiconductor  
**Temperature Range:** -40 to +80°C  
**Temperature Resolution:** 0.1°C  
**Calibrated Accuracy:** ±0.5°C (0 to +50°C)

**Humidity Sensor:** Internal Semiconductor  
**Humidity Range:** 0 to 95%RH  
**Humidity Resolution:** 0.5%RH  
**Calibrated Accuracy:** ±3.0%RH (±2%RH typical at 25°C)  
**Specified Accuracy Range:** (+10 to +40°C; 10% to 80%RH)  
**Start Time:** Software programmable start time and date, up to six months in advance

**Real Time Recording:** May be used with PC to monitor and record data in real time  
**Memory:** 21,845 readings per channel  
**Reading Interval:** 1 reading every 2 seconds to 1 every 12 hours

**Calibration:** Digital calibration through software  
**Calibration Date:** Automatically recorded within device  
**Power:** 3.6V lithium battery included  
**User Replaceable Battery:** 1 year typical  
**Data Format:** Date and time stamped °C, °F, °K, °R ; %RH, mg/ml water vapor concentration, dew point  
**Time Accuracy:** ±1 minute/month (at 20°C, RS232 cable not in use)  
**Computer Interface:** PC serial or USB (Interface cable required); 2,400 baud  
**Software:** Windows 95/98/ME/NT/2000/XP based software  
**Operating Environment:** -40 to +80°C, 0 to 95%RH non-condensing  
**Dimensions:** 1.4" x 2.2" x 0.6" (36mm x 56mm x 16mm)  
**Weight:** 0.9 oz (24 g)  
**Material:** ABS plastic  
**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

**Real-Time Recording:** Collect and display data in real-time while continuing to log

**Graphical Cursor:** One click displays readings by time, value, parameter or sample number

**Data Table:** Instantly access tabular view for detailed dates, times, values, and annotations

**Scaling Options:** Autoscale function fits data to the screen, or allows user to manually enter their own values

**Formatting Options:** Change colors, line styles, plotting options, show or hide channels quickly

**Statistics:** Calculate averages, min, max, standard deviation, and mean kinetic temperature with the touch of a button

**Export Data:** Export data in a variety of common formats, or switch to Excel® with a single click

**Calibration:** Automatically calculate and store calibration parameters

**Logger Configuration:** Easy set up and launch of data loggers with immediate or delayed start, preferred sample rate, and device ID

**Communications:** Automatically sets up communications port, or lets user select configuration

**Printing:** Automatically print graphical or tabular data

\*SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. SPECIFIC WARRANTY AND REMEDY LIMITATIONS APPLY.

## ORDERING INFORMATION

Model	Description	Price (U.S.)
RHTEMP101	Humidity and Temperature Recorder	\$199.00
IFC110	Software, manual and RS323 interface cable	\$ 99.00
IFC200	Software, manual and USB interface cable	\$119.00
NIST	N.I.S.T. Calibration Certificate	Call for Pricing
LTC-7PN	Replacement battery for RHTemp101	\$ 10.00



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