

# TRH-1000

## Product Specifications

**Type:** Two-Channel Temperature & Relative Humidity

### GENERAL TRH SPECIFICATIONS

<b>Size:</b>	25.4 x 58.4 x 81.3 mm (1" x 2.3" x 3.2")
<b>Weight:</b>	2.6 ounce (74 grams)
<b>Case Material:</b>	Cycloyl® (GE Plastics) C120 ABS + Polycarbonate
<b>Battery:</b>	3.6 volt Lithium, 1 amp-hour, guaranteed for 5 years
<b>Resolution:</b>	8-bit (1 part in 256)
<b>Mounting:</b>	Magnetic backing or hidden lock eyelet
<b>Clock Accuracy:</b>	+/- 2 seconds per day
<b>Sampling Methods:</b>	First-in First-out, Stop When Full, Delay Start, or Spot & Average
<b>Operating Limits:</b>	-40 to 70°C (-40 to 158°F)
<b>PC Requirements:</b>	IBM PC or 100% compatible with a least one free serial port, 2 MB RAM and 10 MB of hard drive disk space
<b>Software Requirements:</b>	TrendReader® Express (included) - Windows version 3.1, 95, 98, Me, 2000, XP or NT
<b>Accessory:</b>	DB9 serial extension cable (included)

<b>Memory Size:</b>	64KB; capable of storing 32,000 readings (Catalog #:01-0194, TRH-1000)
<b>Sampling Rates:</b>	User selectable rates from 8 seconds to 34 minutes
<b>Number of Channels:</b>	Two (one for the internal temperature sensor and one for the internal RH sensor)

### SENSOR SPECIFICATIONS

<b>Internal Temperature Sensor:</b>	NTC Thermistor
Range:	-40 to 70°C (-40 to 158°F)
Accuracy:	+/- 0.6°C @ 25°C, +/- 2°C from -40 to 70°C (+/- 1°F @ 77°F, +/- 3.6°F from -40 to 158°F)
<b>Internal RH Sensor:</b>	CMOSens® (by Sensirion)
Range:	0 to 100% RH
Accuracy:	+/- 4% between 20 to 80% RH, otherwise +/- 5%
<b>Calibration:</b>	Factory calibration verification and NIST certificates are available upon special request

The TRH-1000 data logger is a low cost easy-to-use temperature and relative humidity data logger. It is ideal for quick and accurate temperature and relative humidity recordings in a variety of situations.



### WARRANTY

Data Logger:	1 Year
Internal Battery:	5 Years

### APPLICATIONS

Building comfort monitoring, food process verification, pharmaceutical and laboratory storage monitoring, transportation monitoring, energy management, HVAC system testing and balancing, etc.

<b>Model#:</b>	<b>Cat#:</b>
TRH-1000	01-0194