

# TRH-1000 Specifications

Indoor Air Quality Data Logger Specifications

ACR Data Logger  
Type: Dual Channel  
Temperature & Relative Humidity



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.

Size	:	25.4 x 58.4 x 81.3 mm (1" x 2.3" x 3.2")
Weight	:	2.6 ounce (74 grams)
Case Material	:	Cycloy® (GE Plastics) C120 ABS + Polycarbonate
Mounting	:	Magnetic backing
Operating Limits	:	-40 °C to 70 °C (-40 °F to 158 °F)
Clock Accuracy	:	+/-2 seconds per day
Battery	:	3.6 volt lithium, 1 amp-hour
Battery Life	:	Five year warranty (under normal use).
PC Requirements	:	TrendReader Express software (included). PC or 100% compatible, running MS Windows 3.1, '95, '98, Me, 2000, XP or NT, with a least 2 MB RAM, 10 MB of hard drive disk space and one free serial port.
Memory Size	:	64KB (32,000 data points per channel)
Resolution	:	8 Bit (1 part in 256)
Sampling Methods	:	First in first out, stop when full, delay start, spot & average sampling
Sampling Interval	:	8 seconds to 34 minutes
Accessory	:	DB9 serial extension cable (included)

## Sensor Specifications

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

## Applications

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

## Warranty

Internal Battery	:	5 Years
Data Logger	:	1 Year
Accessory	:	1 Year
Internal Sensors	:	1 Year