

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