TRH-1000

Product Specifications

Type: *Two-Channel Temperature & Relative Humidity*

GENERAL SPECIFICATIONS

Size:	25.4 mm x 58.4 mm x 81.3 mm (1" x 2.3" x 3.2")
Weight:	74 g (2.6 oz)
Case Material:	Cycoloy® (GE Plastics) C120 ABS + Polycarbonate
Battery:	3.6 volt Lithium, 1 Amp-Hour
Resolution:	8-bit (1 part in 256)
Mounting:	Magnetic backing or hidden locking eyelet
Clock Accuracy:	+/- 2 seconds per day
Sampling Methods:	First-in First-out, Stop When Full, Delay Start, or Spot & Average
Operating Limits:	-40 to 70˚C (-40 to 158˚F)
PC Requirements:	IBM PC or 100% compatible with at least one free serial port, 2 MB RAM and 10 MB of hard drive disk space
Software Requirements:	TrendReader® Express - *(compatible with Windows® 3.1, '95, '98, 2000, Me, NT and XP)*
Accessories:	DB9 serial extension cable (included)
Memory Size:	64 KB *(capable of storing up to 32,676 readings per channel)*
Sampling Rates:	User selectable rates from 8 seconds to 34 minutes
Number of Channels:	Two *(one for the internal temperature sensor and one for the internal RH sensor)*

SENSOR SPECIFICATIONS

Temperature Sensor:	
Type:	CMOSens® (by Sensirion)
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)
Relative Humdity Sensor:	
Type:	CMOSens® (by Sensirion)
Range:	0 to 100% RH
Accuracy:	+/- 4% RH between 20 to 80% RH, otherwise +/- 5% RH
Calibration:	Factory calibration verification and NIST certificates are available upon special request.

The TRH-1000 is a low-cost, easy-to-use temperature and relative humidity data logger. With its precision calibrated internal temperature and relative humidity sensor, simply place the logger in the field and leave it to record. Once the desired information has been recorded, plug the logger into the serial port of your computer and begin downloading and viewing the logged data with ACR's TrendReader® Express software. No cables, wires or accessories are required, making the TRH-1000 the ideal data logger for quick and accurate temperature and humidity measurements in a variety of applications.



WARRANTY

Internal Battery:	**5 Years**
Data Logger:	**1 Year**

APPLICATIONS

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

Model#:	**Cat#:**
TRH-1000	01-0194