Pocket Size Temperature/Humidity Handheld Data Logger

The reliable and accurate RH32 Series Temperature/Relative Humidity Meters measure and display both temperature from -10 to 50°C (14 to 122°F) and humidity from 0 to 100% RH. It has the datalogging capability to store up to 8000 readings of both temperature and humidity into memory. The data can be stored either manually or automatically from once a minute to once an hour over a specified time period entered in calendar time (month/day/hour/minute).

Three types of sensors are available: a built-in sensor, a small separate sensor and a probe type sensors. The model comes with 1 type of sensor when purchased, but all sensors can plug into the units and are easily interchangeable without special calibration.

RS232C communication interface is available along with optional software for analysis of measured data. The software allows for easy transfer of data to a computer either in real time or of data stored in memory. A trend graph can be displayed on the computer screen. The data can also be exported to a spreadsheet.

The RS485 communication allows up to 30 units to be connected to a computer for real-time temperature/humidity measurement applications.

Specifications

Relative Humidity:
- Sensor: Capacitance type
- Measuring Range: 0 to 100% RH
- Accuracy Rating: ±2% RH
- Temperature Coefficient: ±0.1% RH/°C [5 to 80°C (41 to 176°F)]
- Response Time: Within 15 seconds (90% response, 25°C constant, under 0.1 m/s ventilation)

Temperature:
- Sensor: Semiconductor type temperature sensor
Programmable Set Up Parameters:
Clock, temperature °C/°F, humidity or dewpoint, logging start/stop time, high/low alarm, auto power off, keylock
Logging Repetition: None, daily, or weekly
Measurement Interval: Continuous or 1 to 60 min
Number ofLogged Data Points:
Temperature/humidity: up to 8000 points each, total 16,000 points (EEPROM)
Communications Function:
RS232C or RS485
Dimensions: 64 W x 113 H x 32 mm D (2.5 x 4.5 x 1.2")
Weight: 140 g (0.30 lb)