Pocket Size Temperature/ Humidity Handheld Datalogger

RH32 Series Starts at

£**235**

1 YEAR WARRANTY CE

- ✔ **±2% RH Accuracy**
- ✔ **Logs Up to 8000 Readings (Both Temperature and Humidity)**
- ✔ **3 Types of Sensors: Built-in, Probe Type and Miniature Separate Sensor**
- ✔ **Sensors Interchangeable**
- ✔ **Min/Max and Average**
- ✔ **High and Low Alarms**
- ✔ **Optional Software**
- ✔ **RS232C or RS485 Communication Standard**
- ✔ **Reads Humidity or Dewpoint Temperature**

POCKET PAL®

Display shows:
5-28 21:12
23.8°C
59.5 %RH

RH32B-C2, £235 shown slightly smaller than actual size.

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 [0 to 90% RH and 25°C (76°F)], ±3% RH [90 to 95% RH and 25°C (76°F)]

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

Measuring Range:
  RH32B: -10 to 50°C (14 to 122°F),
  RH32S and RH32P: -40 to 80°C (-40 to 176°F)
  Accuracy: ±0.5°C (±0.9°F) 0 to 50°C (32 to 120°F); ±1°C (±1.8°F) below 0°C (32°F) or above 50°C (120°F)

Sensor Interchangeability: Interchangeable by plug-in; for probe type and separate type, interchangeable including cable

Power Supply: 2 "AA" batteries (included) or 100 to 240 Vac with optional AC adaptor

Display:
  Current Data: Month, day, hour, minute; temperature reading (°C or °F); relative humidity or dew-point temperature reading (°C or °F)

  Logged Data: Parameters; logged data at each year, month, day, hour, or minute; maximum temperature/humidity, minimum temperature/humidity, average temperature/humidity, totalized temperature

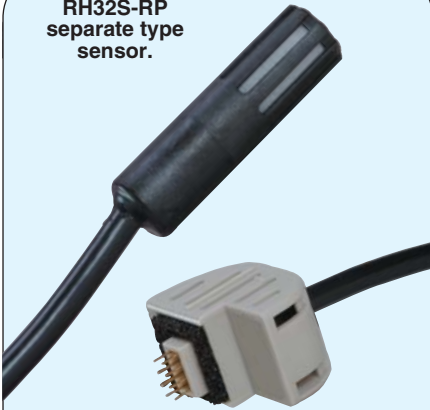**Meter and optional accessories, shown smaller than actual size.**

RH32B-C2, £235.

RH32S-RP separate type sensor.

Plug-in connector.

RH32S-RP, £115.

RH32P-RP, £129.

RH32-S2-CABLE, £10.

RH32P-RP probe type sensor.

Plug-in connector.

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 of Logged Data Points: Temperature/humidity: up to 8000 points each, total 16,000 points (EEPROM)

Communications Function: RS232C or RS485

☐ *MOST POPULAR MODELS HIGHLIGHTED!*

To Order *(Specify Model Number)*

Model No.	Price	Sensor Type	Communications
RH32B-C2	£235	Built-in	RS232C
RH32B-C4	235	Built-in	RS485
RH32S-C2	284	Miniature separate type	RS232C
RH32S-C4	284	Miniature separate type	RS485
RH32P-C2	298	Probe type	RS232C
RH32P-C4	298	Probe type	RS485

Comes with sensor and "AA" batteries.
Note: *Software, cable, and AC power adaptor sold separately.*
Ordering Example: RH32B-C2, *with built-in RS232C,* **RH32-SW1,** *software,* **RH32-S2-CABLE,** *cable, £235 + 57 + 10 =* **£302.**

Accessories

Model No.	Price	Description
CAL-3-HU	£90	Traceable calibration certificate
RH32B-RP	69	Plug in replacement built-in sensor
RH32S-RP	115	Plug in replacement miniature separate sensor
RH32P-RP	129	Plug in replacement probe type sensor
RH32-SW1	57	Software, RS232C, download and real-time
RH32-SW2	71	Software, RS485 multipoint, real-time only
RH32-AC-UK	33.50	AC power adaptor (recommended when using RS485)
RH32-S2-CABLE	10	2 m (7') RS232C cable
RH32-S4-CABLE	13.50	2 m (7') RS485 cable
FW-338	66	Reference Book: The Automation Systems and Instrumentation Dictionary

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• Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders, Relative Humidity Measurement Instruments, PT100 Probes, PT100 Elements, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples, Thermowells and Head and Well Assemblies, Transmitters, Thermocouple Wire, RTD Probes

• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Pressure Transmitters, Strain Gauges, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters