Humidity/Temperature Handheld Meter
Available with USB and Wireless Interfaces

RH820 Series

1 YEAR WARRANTY CE RoHS

✔ **USB Port Provides Excellent User Interface (RH820U)**
✔ **Wireless 2-Way Transmission (RH820W)**
✔ **2 Temperature Sensors (Internal NTC and External K-Type) and Humidity Sensor Together**
✔ **Wet/Dry Bulb, Dew Point and %RH**
✔ **MAX/MIN/AVG/REL/HOLD Function**

The RH820 Series are low cost, high performance handheld meters available with USB or wireless connectivity. They offer a double display to show the temperature and humidity from built in sensors and can alternately display data from a separate Type K thermocouple connected via SMP type miniature connector. Save function allows storage of up to 256 readings (no time-stamp) to internal non-volatile memory. Software for USB and wireless versions is included to allow internal, external temperature, and RH data to be recorded by a PC. Interface cable is included with the USB version; receiver with the wireless version.

Specifications

Display: 3.5" digit LCD with a maximum reading of 1999

Low Battery Indication: The "⬛▭◼" is displayed when the battery voltage drops below the operating level

Operating Environment: 0 to 50°C (32 to 122°F) at <80% RH

Storage Environment: -20 to 60°C (-4 to 140°F), 0 to 70% RH with battery removed from meter

Accuracy: Stated accuracy at 23°C ±5°C, <75% RH

Battery: Four 1.5V "AAA" (included)

Dimensions: 160 H x 83 W x 38 mm D (6.3 x 3.3 x 1.5")

Weight: Approx 265 g (0.6 lb) including batteries

Temperature Range

Range: -50 to 1000°C (-58 to 1832°F)

Accuracy: ±(0.1% rdg +1°C) on -50 to 1000°C; ±(0.1% rdg +2°F) on -58 to 1832°F

Temperature

Sensor: Thermistor temperature sensor

Range: 0 to 60°C (32 to 140°F)

Resolution: 0.1°C/°F

Accuracy: ±2°C on 0 to 10°C, ±0.5°C on 10 to 45°C; ±2°C on 45 to 60°C; ±4°F on 32 to 50°F, ±1°F on 50 to 113°F; ±4°F on 113 to 140°F

Relative Humidity

Sensor: Capacitive humidity sensor

Range: 0 to 100% RH, non-condensing

Accuracy: ±2.5% at 25°C (77°F), 10 to 90% RH; ±5% at 25°C (77°F), 0 to 10% RH, 90 to 100% RH

Sensor Response Time for 90% of Total Range: 60 sec typical

Sensor Hysteresis (Excursion of 10% to 90% to 10% RH): ±1% RH typical

RH820W Frequency Range: 910~920 mHz, low current consumption less than 1 mA, the transmitting distance can reach 25M

RH820

To Order

Model No.	Description
RH820	Humidity/temperature handheld meter
RH820U	Humidity/temperature handheld meter with USB interface
RH820W	Humidity/temperature handheld meter wireless interface

Note: All wireless units are USA, 900 mHz frequency band versions.

Accessories

Model No.	Description
HH800-ADAPTOR	AC adaptor (USB model only)
SC-800	Soft case for HH800 series

Comes complete with 4 "AAA" batteries, Type K thermocouple, rubber boot, NIST calibration (no points) and operator's manual. RS820W also comes with software and receiver, RH820U comes with software and USB cable.

***Ordering Example: RH820,** humidity/temperature meter.*