

Precision Fast Response Thermo-Hygrometers

RH80/90 Series



- ✓ Compact: Fits in Pocket
- ✓ Cover Protects Sensor and Serves as a Clip (RH81/RH83)
- ✓ Twist Close Cap on RH92
- ✓ RH81 Measures RH and Temperature
- ✓ RH83 and RH92 Measures RH, Temperature, Dewpoint and Wet Bulb
- ✓ RH92 Recalibratable (with Available Salt Solutions)
- ✓ Replaceable External Temperature Probe (RH92 only)
- ✓ °F/°C Switchable, Data Hold, Min/Max Data Storage, Auto Power Off



RH81



RH92

Both models shown smaller than actual size.

Applications

- ✓ Laboratories
- ✓ Printing/Paper Processing
- ✓ HVAC
- ✓ Computer Rooms
- ✓ Clean Rooms
- ✓ Nurseries/Greenhouses

RH80 and RH90 Series thermo-hygrometers are compact in size and easily fit into your shirt pocket. The cover protects the

sensor and also acts as a handy pocket clip on the RH81 and RH83. Model RH81 is a digital thermo-hygrometer with min/max data storage, data hold and auto power-off features. Models RH83 and RH92 have all of the features of the RH81 and also measures dewpoint and wet bulb temperature. Optional external temperature probe (P8706) available for RH92 and test salts (CS338706 and CS758706).

Specifications

Humidity Sensor: Electronic capacitance polymer film sensor
Temperature Sensor: Thermistor
Display: LCD

Accuracy

Temperature:

RH81/RH83: $\pm 1^{\circ}\text{C}$ ($\pm 1.8^{\circ}\text{F}$)
 RH92: $\pm 0.6^{\circ}\text{C}$ ($\pm 1.0^{\circ}\text{F}$)

Relative Humidity:

RH81: $\pm 4\%$ @ 25°C from 10 to 90%, $\pm 5\%$ other ranges
 RH83: $\pm 3\%$ @ 25°C from 10 to 90%, $\pm 4\%$ other ranges
 RH92: $\pm 3\%$ 0-100% non-condensing

Resolution:

Temperature: 0.1°C (0.1°F)
 Relative Humidity: 0.1% RH

Response Time: 60 sec (80 sec for RH81)

Power: 2 "AAA" alkaline batteries (included)

Battery Life: 500 hrs typical

Dimensions: 17 H x 4.9 W x 1.65 cm D (6.7 x 1.9 x 0.65")

To Order Visit omega.com/rh80 for Pricing and Details

Model Number	Dewpoint	Wet Bulb	RH Range	Temp Range
RH81	No	No	5 to 95%	-10 to 50°C (14 to 122°F)
RH83	Yes	Yes	0 to 100%	-20 to 50°C (-4 to 122°F)
RH92	Yes	Yes	0 to 100%	-20 to 50°C (-4 to 122°F)
P8706 (RH92)	—	—	—	-20 to 70°C (-4 to 158°F)
CS338706	—	—	33% 33%	—
CS758706	—	—	75% 75%	—

Comes complete with 2 "AAA" batteries and operator's manual.

Ordering Example: RH81, thermo-hygrometer, 5 to 95% RH range, -10 to 50°C (14 to 122°F) temperature range.