

# 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)
- ✓ Optional External Temperature Probe (RH92 only)
- ✓ °F/°C Switchable, Data Hold, Min/Max Data Storage, Auto Power Off

## 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:**  $\pm 4\%$  @  $25^{\circ}\text{C}$  from 10 to 90%,  $\pm 5\%$  other ranges  
**RH83:**  $\pm 3\%$  @  $25^{\circ}\text{C}$  from 10 to 90%,  $\pm 4\%$  other ranges  
**RH92**  $\pm 3\%$  0-100% non-condensing

### Resolution:

**Temperature:**  $0.1^{\circ}\text{C}$  ( $0.1^{\circ}\text{F}$ )  
**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")

**ALL MODELS AVAILABLE FOR FAST DELIVERY!**

## To Order (Specify Model Number)

Model Number	Price	Dewpoint	Wet Bulb	RH Range	Temp Range
RH81	£41.50	No	No	5 to 95%	10 to 50°C (14 to 122°F)
RH83	63.00	Yes	Yes	0 to 100%	20 to 50°C (-4 to 122°F)
RH92	54.00	Yes	Yes	0 to 100%	20 to 50°C (-4 to 122°F)
P8706 (RH92)	11.00	—	—	—	20 to 70°C (-4 to 158°F)
CS338706	24.00	—	—	33% 33%	
CS758706	24.00	—	—	75% 75%	

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

Ordering Example: RH83 thermo-hygrometer with dewpoint measurement, 0 to 100% RH range, -20 to 50°C temperature range, £54.

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