



Thermohygrometers



Model RH720

Thermohygrometers Models RH710 and RH720

The RH710 Thermohygrometer is a base model that reliably measures temperature and humidity. It is ideal for use in thermal comfort studies and HVAC system performance testing. The RH720 Thermohygrometer is an excellent diagnostic instrument with data logging, review of statistics and downloading to a PC using LogDat2™ software (included).

Features and Benefits

- Reliably measures temperature and humidity
- Calculates wet bulb temperature
- Large display for easy readings

Added Features RH720

- Calculates dew point, absolute humidity, and humidity ratio
- Calculates % outside air
- Logs data with time and date stamp
- Downloads to a PC using LogDat2™ software

Applications

- Conducting thermal comfort studies
- Conducting IAQ evaluations
- Plant maintenance
- Troubleshooting heating and cooling systems
- Monitoring manufacturing processes

Accurate. Reliable. Every Time.



Thermohygrometers

Models RH710 and RH720

Specifications

Models RH710 and RH720

Temperature

Range 0 to 50°C (32 to 122°F)
Accuracy¹ 0.6°C (±1.0°F)
Resolution 0.1°C (0.1°F)

Humidity

Range 5 to 95% RH
Accuracy² ±3% RH
Resolution 0.1% RH

Instrument Temperature Range

Operating (Electronics) 5 to 45°C (40 to 113°F)
Operating (Probe) -10 to 60°C (14 to 140°F)
Storage -20 to 60°C (-4 to 140°F)

Data Storage Capabilities (RH720 only)

Range 12,700+ samples and 100 test IDs

Logging Interval (RH720 only)

From 1 second to 1 hour

Time Constant (RH720 only)

User selectable

External Meter Dimensions

8.4 cm x 17.8 cm x 4.4 cm (3.3 in. x 7.0 in. x 1.8 in.)

Meter Probe Dimensions

Probe Length (including handle) 28.3 cm (11.15 inches)
Probe Diameter of Tip 19.0 mm (0.75 inches)

Meter Weight with Batteries

270 g (9.6 oz.)

Power Requirements

RH720 Four AA-size batteries or optional AC adapter
RH710 Four AA-size batteries

	RH710	RH720
Temperature	•	•
%RH, wet bulb	•	•
Field calibration adjustment		•
Dew point, absolute humidity, humidity ratio		•
% outside air		•
Data logging/downloading		•
Review data		•
Statistics		•
Field calibration adjustment	•	•
Free Certificate of Calibration	•	•

¹ Accuracy with instrument case at 77°F (25°C), add uncertainty of 0.05°F/°F (0.03°C/°C) for change in instrument temperature.

² Accuracy with probe at 77°F (25°C). Add uncertainty of 0.1% RH/°F (0.2% RH/°C) for change in probe temperature. Includes 1% hysteresis.

Specifications subject to change without notice.

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