



Thermohygrometers



Model TH720

Thermohygrometers Models TH710 and TH720

The TH710 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 TH720 Thermohygrometer is an excellent diagnostic instrument with data logging, review of statistics and downloading to a PC using LogDat2 downloading software (included).

Features and Benefits

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

Added Features TH720

- Calculates dew point
- 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

Thermohygrometers

Models TH710 and TH720

Specifications

Models TH710 and TH720

Temperature

Range 32 to 140°F (0 to 60°C)
Accuracy ±1.0°F (0.6°C)
Resolution 0.1°F (0.1°C)

Humidity

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

Instrument Temperature Range

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

Data Storage Capabilities (TH720 only)

Range 12,700+ samples and 100 test IDs

Logging Interval (TH720 only)

1 second to 1 hour

Time Constant (TH720 only)

User selectable

External Meter Dimensions

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

Meter Probe Dimensions

Length 7.0 in. (17.8 cm)
Diameter of Tip 0.75 in. (19.0 mm)

Meter Weight with Batteries

0.6 lbs (0.27 kg)

Power Requirements

TH710 Four AA-size batteries
TH720 Four AA-size batteries or optional AC adapter

| | TH710 | TH720 |
|------------------------------|-------|-------|
| Temperature | • | • |
| %RH, wet bulb | • | • |
| Dew point | | • |
| % outside air | | • |
| Data logging/downloading | | • |
| Review data | | • |
| Statistics | | • |
| Field calibration adjustment | | • |
| 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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