



**Precalibrated &  
Ready to Use!**

## Thermohygrometers

**Compact, lightweight design for accurate measurements anywhere!**

Ergonomic handheld thermohygrometers provide a fast and convenient way to accurately spot-check relative humidity and temperature in a wide range of environments and applications. When accuracy is a must in the field, in the lab, or on the process floor, these meters deliver dependable results every time!

### Features

- ◆ Reliable measurements, guaranteed! Precalibrated to NIST-traceable standards.\*
- ◆ Large backlit LCD displays humidity, temperature, dew point, and wet bulb readings
- ◆ Feature Min/Max readings and Hold function
- ◆ User-selectable temperature readout in °C or °F
- ◆ Integrated humidity and thermistor (NTC) temperature sensor
- ◆ Auto power-off mode extends battery life

### Additional features for model 20250-11

- ◆ Absolute humidity measurements

### Additional features for model 20250-12

- ◆ External thermocouple type K input
- ◆ Target superheat mode (TSH) and target evaporator exit temperature (TEET) calculations provide more accurate balancing of airflow systems
- ◆ Dry bulb measurement

### Additional features for model 20250-21

- ◆ Heavy-duty housing protects against knocks and jars
- ◆ Absolute humidity measurements

## Applications

- ◆ HVAC
- ◆ Industrial
- ◆ Food industry
- ◆ Educational
- ◆ Laboratory
- ◆ R&D

\*Calibration certificate provided by InnoCal®, an ISO17025 accredited laboratory (A2LA certificate 1746.01) offering a broad range of NIST-traceable calibration services.  
 For recalibration, call 866-466-6225 or e-mail [info@innocal.com](mailto:info@innocal.com).  
 Their full complement of services can be viewed at [www.innocal.com](http://www.innocal.com).



Description	Thermohygrometer	Thermohygrometer with single type K input and superheat function	Professional thermohygrometer
Catalog number	MW-20250-11	MW-20250-12	MW-20250-21
<b>Range</b>			
Humidity	0 to 100% RH	0 to 100% RH	0 to 100% RH
Absolute humidity (calculated)	0 to 500 g/m <sup>3</sup> , 0 to 218.5 gr/ft <sup>3</sup> >	—	0 to 500 g/m <sup>3</sup> , 0 to 218.5 gr/ft <sup>3</sup>
Temperature (NTC)	-22 to 212°F (-30 to 100°C)	32 to 140°F (0 to 60°C)	-22 to 212°F (-30 to 100°C)
Temperature (T/C)	—	-328 to 2501°F (-200 to 1372°C)	—
Dew point (calculated)	-22 to 212°F (-30 to 100°C)	-22 to 212°F (-30 to 100°C)	-22 to 212°F (-30 to 100°C)
Wet bulb (calculated)	32 to 176°F (0 to 80°C)	32 to 176°F (0 to 80°C)	32 to 176°F (0 to 80°C)
<b>Resolution</b>			
Humidity	0.1	0.1	0.1
Temperature (NTC)	0.1°F/C	0.1°F/C	0.1°F/C
Temperature (T/C)	—	0.1° (<1000°) or 1° (≥1000°)	—
<b>Accuracy</b>			
Humidity	±2% from 40 to 60% RH; ±3% from 20 to 40% RH and 60 to 80% RH; ±4% from 0 to 20% RH and 80 to 100% RH	±2.5% from 10 to 90% RH; ±5% from 0 to 10% RH and 90 to 100% RH	±2% from 40 to 60% RH; ±3% from 20 to 40% RH and 60 to 80% RH; ±4% from 0 to 20% RH and 80 to 100% RH
Temperature (NTC)	±0.9°F (0.5°C) from -4 to 140°F (-20 to 60°C); ±1.8°F (1°C) from -22 to -4°F (-30 to 19°C) and 140 to 212°F (60 to 100°C)	±1.8°F (1°C)	±1.8°F (1°C) from -4 to 140°F (-20 to 60°C); ±2.7°F (1.5°C) from -22 to -4°F (-30 to 19°C) and 140 to 212°F (60 to 100°C)
Temperature (T/C)	—	±[0.5% reading + 1.8°F (1°C)] above -148°F (-100°C); ±[0.5% reading + 3.6°F (2°C)] below -148°F (-100°C)	—
<b>General</b>			
Dimensions (L x W x H)	6½" x 2½" x 1¾" (16.5 x 5.4 x 3.4 cm)	7¼" x 2½" x 1" (18.5 x 6.3 x 2.6 cm)	11⅞" x 3" x 2" (30 x 7.5 x 5 cm)
Power	Three AAA batteries	Three AAA batteries	One 9V battery
Accessories included	Carrying case, batteries, NIST-traceable certificate with data and uncertainties	One type K flexible probe, carrying pouch, batteries, NIST-traceable certificate with data and uncertainties	Carrying case, battery, NIST-traceable certificate with data and uncertainties





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**Use the above details to contact us if this literature doesn't answer all your questions.**

**Pricing on any accessories shown can be found by keying the part number into the search box on our website.**

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

