



THWD-10W

RH Meter with Wireless

Perform precision temperature and humidity measurement for HVAC, Indoor Air Quality and environmental applications. The large LCD display, full suite of measuring features and two temperature probes (internal and external) make this product a preferred choice for a professional.

- Wireless two ways transmission
- Highly stable humidity measurement $\pm 2.5\%$
- Processing relative humidity and temperature measurements simultaneously
- Two temperature sensors (internal and external)
- Wet/dry bulb, dew point measurement
- Easy selection between K/NTC/K-DP
- MAX/MIN/Average/Relative Zero and HOLD functions

No hassle warranty

No waiting.

No shipping charges.



Our commitment to high-quality products and customer service is demonstrated by our industry exclusive "No Hassle" warranty. In the unlikely event that an Amprobe Test Tool requires warranty service, any of our local dealers are authorized to replace it, on the spot.

(note: \$500 MSLP limit)



THWD-10W RH Meter with Wireless

Data Sheet

General Specifications

Display	5 digit liquid crystal display (LCD).
Polarity	Automatic, positive implied, negative polarity indication.
Low Battery Indication	The "⚡" is displayed when the battery voltage drops below the operating level.
Operating Environment	0°C to 50°C (32°F to 122°F) <80% R.H.
Auto Power Off	5 minutes
Storage Environment	-20°C to 60°C (-4°F to 140°F) <70% R.H. with battery removed from meter
Accuracy	Stated accuracy at 23°C ±5°C, <75% R.H.
Battery	1.5Vx4pcs AAA size.
Battery Life	200 hours typical
Dimensions	L241.3 X W157.98 XH76.2mm (9.5 X 6.22 X3 in).
Weight	Approx. 304g (0.67 lb) including batteries.
WIRELESS Features	
Frequency Range	910~920MHz. Low current consumption less than 1mA. The transmitting distance can reach 25M without magnetic interference.



THWD-10W RH Meter with Wireless

Data Sheet

Electrical Specifications

Temperature Scale	Celsius or Fahrenheit user-selectable
Measurement Range	K-Type -50°C to 1000°C, (-50°F to 1832°F)
Resolution	0.1°C or 0.2°F
Accuracy	Accuracy is specified for operating temperatures over the range of 18°C to 28°C (64°F to 82°F), for 1 year, not including thermocouple error. $\pm(0.1\% \text{ rdg} + 1^\circ\text{C})$ on -50°C to 1000°C $\pm(0.1\% \text{ rdg} + 2^\circ\text{F})$ on -50°F to 1832°F $\pm(0.05\% \text{ rdg} + 1.4^\circ\text{F})$ -58°F to -328°F
Sensor	Thermistor temperature sensor
Range	0°C to 60°C, (32°F to 140°F)
Resolution	0.1°C/°F
Accuracy	$\pm 2^\circ\text{C}$ on 0°C to 10°C $\pm 0.5^\circ\text{C}$ on 10°C to 45°C $\pm 2^\circ\text{C}$ on 45°C to 60°C $\pm 4^\circ\text{F}$ on 32°F to 50°F $\pm 1^\circ\text{F}$ on 50°F to 113°F $\pm 4^\circ\text{F}$ on 113°F to 140°F
RELATIVE HUMIDITY	
Sensor	Capacitive Humidity Sensor
Range	0% to 100% RH
Accuracy	$\pm 2.5\%$ at 25°C (77°F), 10% to 90% RH, $\pm 5\%$ at 25°C (77°F), 0% to 10% RH, 90% to 100% RH
Sensor Response Time for 90% of Total Range	60 sec typical
Sensor Hysteresis (excursion of 10% to 90% to 10% RH)	$\pm 1\%$ RH typical
Temperature	0.1 times the applicable accuracy
Coefficient	Specification per °C from 0°C to 18°C and 28°C to 50°C (32°F to 64°F and 82°F to 122°F).
Input Protection	24V dc or 24V ac rms maximum input Voltage on any combination of input pins.
Input Connector	Accepts standard miniature thermocouple connectors (flat blades spaced 7.9mm, center to center).

THWD-10W RH Meter with Wireless

Data Sheet



Amprobe® Test Tools
website: www.Amprobe.com
email: info@amprobe.com
Everett, WA 98203
Tel: 877-AMPROBE

Amprobe® Test Tools Europe
In den Engematten 14
79286 Glottertal, Germany
Tel.: +49 (0) 7684 8009 - 0

©2010 Amprobe Test Tools. All rights reserved.
6/2010 THWD-10W_DS Rev A