HVAC Balancing Instruments

TEST EQUIPMENT

Thermo-Hygrometer Probe
Wireless, Measures Humidity, Temperature, Dew Point, & Wet Bulb Temperatures

SPECIFICATIONS
Service: Clean air.
Temperature Limits:
Process: -4 to 140°F (-20 to 60°C);
Ambient: 5 to 125°F (-15 to 51°C);
Battery Charging: 32 to 113°F (0 to 45°C).
Range:
RH: 0 to 100% (non-condensing);
Temperature: -22 to 140°F (-30 to 60°C).
Accuracy:
RH: ±2% @ 25°C (10 to 90% RH);
±4% (0 to 10, 90 to 100% RH);
Temperature: ±0.54°F @ 77°F (±0.3°C @ 25°C).
Response Time: 1.5 s.
Probe Length: 8’’ (203 mm) insertion.
Power Requirements: 3.7 V YT562447 Lithium ion battery, installed functional, user replaceable. (Note: Intended to be operated with power cables less than 3 m in length).
Maximum Wireless Distance: 50’ (15 m).
Handle Enclosure: Thermoplastic elastomer over polycarbonate.
Supplied With: Wrist strap.
Weight: 11.2 oz (331.22 g).
Agency Approvals: CE (not while charging), RoHS, FCC compliant.

Thermo-Anemometer Probe
Wireless, Measures Velocity, Flow, & Temperature

SPECIFICATIONS
Service: Dry, clean air.
Temperature Limits:
Process: -20 to 212°F (-29 to 100°C);
Ambient: 5 to 125°F (-15 to 51°C).
Range:
Air Velocity: 0 to 6000 FPM (0 to 30 m/s);
Volumetric Air: 999,999 in selected flow units;
Temperature: -20 to 212°F (-29 to 100°C).
Accuracy:
Air Velocity: ±3% FS within temperature range of 40 to 90°F (4 to 32°C);
Temperature: ±0.5°F (±0.28°C).
Response Time: 1 s.
Probe Length: 8’’ (203 mm) insertion.
Battery Charging Limits: 32 to 113°F (0 to 45°C). (Wireless Only).
Power Requirements: 3.7 V YT562447 Lithium ion battery, installed functional, user replaceable. (Note: Intended to be operated with power cables less than 3 m in length).
Maximum Wireless Distance: 50’ (15 m). (Wireless Only).
Handle Enclosure: Thermoplastic elastomer over polycarbonate.
Supplied With: Wrist strap.
Weight: 11.2 oz (317 g).
Agency Approvals: CE (not while charging), FCC compliant.

100 mm Vane Thermo-Anemometer Probe
Wireless, Measures Velocity, Flow, Humidity, & Temperature

SPECIFICATIONS
Service: Dry, clean air.
Temperature Limits:
Process: -20 to 212°F (-29 to 100°C);
Ambient: 5 to 125°F (-15 to 51°C).
Range:
Air Velocity: 40 to 5000 fpm (0.2 to 25 m/s);
Volumetric Air: 999,999 in selected flow units;
Temperature: -20 to 212°F (-29 to 100°C);
Relative Humidity: 0 to 100% RH.
Accuracy:
Air Velocity: 0.25 to 10 m/s: ±1.5% of reading ±20 fpm (±0.1 m/s); 10 to 20 m/s: 1.5% of reading ±40 fpm (±0.2 m/s); 20 to 25 m/s: ±1.5% of reading ±60 fpm (±0.3 m/s);
Temperature: ±0.54°F @ 77°F (±0.3°C @ 25°C);
Relative Humidity: ±2% @ 77°F (25°C) (10 to 90% RH); ±4% (0 to 10% RH and 90 to 100%).
Response Time: Air Velocity and Air Volume: 1 s;
Temperature and Relative Humidity: 1.5 s.
Probe Length: 8’’ (203 mm) insertion.
Battery Charging Limits: 32 to 113°F (0 to 45°C). (Wireless Only).
Power Requirements: 3.7 V YT562447 Lithium ion battery, installed functional, user replaceable. (Note: Intended to be operated with power cables less than 3 m in length).
Maximum Wireless Distance: 50’ (15 m). (Wireless Only).
Handle Enclosure: Thermoplastic elastomer over polycarbonate.
Supplied With: Wrist strap.
Weight: 13.6 oz (385 g).
Agency Approvals: CE (not while charging), RoHS, FCC compliant.