Wireless Probes

TMW-AP2/VP2

The Series TMW-AP2 Wireless Thermo-Anemometer Probe measures air velocity, air flow, and temperature when combined with the Model TMW-UHH Universal Handheld. In order to prevent damage to the sensing element, the probe has a protective sleeve that slides over the sensor when it is not in use. Markings on the probe allow users to know the insertion depth to obtain better accuracy when traversing the duct.
Wireless probes can take measurements up to 50 feet away from the UHH. A bicolor LED flashes on the handle of the probe to indicate communication status with the UHH. The battery is rechargeable via the mini-USB connector on the bottom of the probe.

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.
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). (Wireless Only).
Maximum Wireless Distance:	50‘ (15 m). (Wireless Only).
Handle Enclosure:	Thermoplastic elastomer over polycarbonate.
Supplied With:	Wrist strap.
Weight:	11.2 oz (317 g).

The Model TMW-VP2 Wireless 100 mm Vane Thermo-Anemometer Probe measures air velocity, air flow, humidity, and temperature when combined with the Model TMW-UHH Universal Handheld. By having a larger diameter, the rotating vane is able to measure velocities down to 50 fpm or 0.25 m/s. An arrow is molded into the vane housing to depict the flow direction.

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). (Wireless Only).
Maximum Wireless Distance:	50‘ (15 m). (Wireless Only).
Handle Enclosure:	Thermoplastic elastomer over polycarbonate.
Supplied With:	Wrist strap.
Weight:	13.6 oz (385 g).

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