HVAC Balancing Instruments

MODEL RP2

THERMO-HYGROMETER PROBE
Wireless, Measures Humidity, Temperature, Dew Point, and Wet Bulb Temperatures

**FEATURES/BENEFITS**
- Allows for one handed operation for ladder use safety
- Stable 50 ft (15 m) wireless range

**APPLICATIONS**
- Building Commissioning
- Building HVAC test and balance

**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.

**MODEL CHART**

<table>
<thead>
<tr>
<th>Model</th>
<th>Probe Length</th>
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<tbody>
<tr>
<td>RP2</td>
<td>8” (203.2 mm)</td>
</tr>
<tr>
<td>RP2-18</td>
<td>18” (457.2 mm)</td>
</tr>
<tr>
<td>RP2-24</td>
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<tr>
<td>RP2-36</td>
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MODEL AP2

THERMO-ANEMOMETER PROBE
Wireless, Measures Velocity, Flow, and Temperature

**FEATURES/BENEFITS**
- Allows for one handed operation for ladder use safety
- Stable 50 ft (15 m) wireless range

**APPLICATIONS**
- Building Commissioning
- Building HVAC test and balance

**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) - TAB option: 50 to 3900 FPM (0.25 to 20 m/s); Temperature: ±0.5°F (±0.28°C).
- **Response Time:** 1 s.
- **Probe Length:** 8” (203 mm) insertion.

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MODEL VP2

100 MM VANE THERMO-ANEMOMETER PROBE
Wireless, Measures Velocity, Flow, Humidity, and Temperature

**FEATURES/BENEFITS**
- Allows for one handed operation for ladder use safety
- Stable 50 ft (15 m) wireless range

**APPLICATIONS**
- Building Commissioning
- Building HVAC test and balance

**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: ±20 FPM (±0.2 m/s); ±1.5% of reading ±40 FPM (±0.2 m/s); 20 to 25 m/s: ±20 FPM (±0.2 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).
- **Handle Enclosure:** Thermoplastic elastomer over polycarbonate.
- **Supplied With:** Wrist strap.
- **Weight:** 11.2 oz (317 g).
- **Agency Approvals:** CE (not while charging), FCC compliant.

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<td>VP2</td>
<td>Wireless 100 mm vane thermo-anemometer probe for use with the Model UHH handheld meter and the Mobile Meter® Software Test Instrument Mobile App</td>
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