The Model 471B Thermo-Anemometer Test Instrument is a versatile dual function unit that quickly and easily measures air velocity or volumetric flow as well as air temperature in imperial or metric units. A stainless steel probe is included, which has a comfortable hand grip and etched insertion depth marks. The extruded aluminum housing fully protects electronics, yet is lightweight and comfortable to hold.

**FEATURES/BENEFITS**
- Compatible with Dwyer RP1 thermo-hygrometer and VP1 100 mm vane thermo-anemometer probes (sold separately)
- High contrast and backlit LCD for visibility in any condition
- Able to store up to 99 readings
- Integral sliding cover protects probe sensors when not in use
- Built-in volumetric air flow calculations

**APPLICATIONS**
- Duct traverses
- HVAC inspections
- Testing and balancing

**SPECIFICATIONS**
- **Service:** Air velocity and temperature of clean, dry air.
- **Temperature Limits:** Process air velocity: -20 to 212°F (-29 to 100°C); Process temperature: -40 to 212°F (-40 to 100°C); Ambient: 5 to 125°F (-15 to 51°C).
- **Display:** 4.5 digit LCD.
- **Resolution:** 0.1%, 0.1 °F/°C.
- **Range Air Velocity:** 0 to 6000 FPM (0 to 30 m/s). -TAB option: 50 to 3900 FPM (0.25 to 20 m/s).
- **Air Velocity Accuracy:** ±3% FS within temperature range of 40 to 90°F (4 to 32°C).
  -TAB option: ±5% of reading, not less than ±1.6 FPM (0.5 m).
- **Range Volumetric Air Flow:** 19,999 in selected flow units.
- **Range Temperature:** -40 to 212°F (-40 to 100°C).
- **Accuracy Temperature:** ±0.5°F (±0.28°C) from 32 to 122°F (0 to 50°C); ±1.5°F (±0.83°C) from -40 to 32°F (-40 to 0°C) & 122 to 212°F (50 to 100°C).
- **Probe Length:** 8˝ (203 mm) insertion.
- **Cable Length:** 28˝ (71 cm) retracted, 6 ft (183 cm) extended.
- **Power Requirements:** 9 V alkaline battery, installed non-functional, user replaceable.
- **Weight:** 16 oz (454 g).
- **Agency Approvals:** CE.

**ACCESSORIES - CASES**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
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<tbody>
<tr>
<td>UHH-C1</td>
<td>Spare soft carrying case</td>
<td>$35.00</td>
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<tr>
<td>A-160-CASE</td>
<td>Hard carrying case for longer probes (18” to 36”)</td>
<td>$171.00</td>
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<tr>
<td>A-47X-BOOT</td>
<td>Protective magnetic rubber boot</td>
<td>$13.00</td>
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**ACCESSORIES - PROBES**

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<tr>
<td>AP1</td>
<td>8”</td>
<td>Thermo anemometer air velocity &amp; temperature probe with coiled cable</td>
<td>$206.00</td>
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<td>AP1-18</td>
<td>18”</td>
<td>Thermo anemometer air velocity &amp; temperature probe with coiled cable</td>
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<td>Thermo anemometer air velocity &amp; temperature probe with coiled cable</td>
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<td>AP1-36</td>
<td>36”</td>
<td>Thermo anemometer air velocity &amp; temperature probe with coiled cable</td>
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**OPTIONS**

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<th>Use order code</th>
<th>Description</th>
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<tr>
<td>-NIST</td>
<td>NIST traceable calibration certificate</td>
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</table>

**ACCESSORIES - CASES**

- Replaceable probe with secure 6 pin adapter
- Soft carrying case included with every unit
- A-47X-BOOT (manometer not included)