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.

**Benefits/Features**
- Compatible with Dwyer RP1 thermo-hygrometer and VP1 100 mm vane thermo-anemometer probes (sold separately)
- Visible in any condition due to high contrast and backlit LCD display
- Able to store up to 99 readings
- Probe sensors are protected by the integral sliding cover
- 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.
- **Air Velocity Range:** 45 to 6000 FPM (0.23 to 30 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).
- **Volumetric Air Flow Range:** 19,999 in selected flow units.
- **Temperature Range:** -40 to 212°F (-40 to 100°C).
- **Temperature Accuracy:** ±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.

### Options
- **Model Description**
  - **-NIST** NIST traceable calibration certificate

### Accessories - Probes

<table>
<thead>
<tr>
<th>Model</th>
<th>Probe Length</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AP1</td>
<td>8˝</td>
<td>Thermo anemometer air velocity and temperature probe with coiled cable</td>
</tr>
<tr>
<td>AP1-18</td>
<td>18˝</td>
<td>Thermo anemometer air velocity and temperature probe with coiled cable</td>
</tr>
<tr>
<td>AP1-24</td>
<td>24˝</td>
<td>Thermo anemometer air velocity and temperature probe with coiled cable</td>
</tr>
<tr>
<td>AP1-36</td>
<td>36˝</td>
<td>Thermo anemometer air velocity and temperature probe with coiled cable</td>
</tr>
</tbody>
</table>

### Accessories - Cases

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-160-CASE</td>
<td>Hard carrying case for longer probes (18˝ to 36˝)</td>
</tr>
<tr>
<td>A-47X-BOOT</td>
<td>Protective magnetic rubber boot</td>
</tr>
</tbody>
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**Thermo-Anemometers**