**HANDHELD DIGITAL MANOMETER**

**SERIES 477AV**

Measures Pressure, Flow and Velocity; ±0.5% Accuracy

The Series 477AV Handheld Digital Manometer is now available with pressure, flow, and velocity measurements along with a number of other convenient features. The built-in air velocity and flow calculations provide accuracy and conserve time and error associated with manual calculations. Also featured on this unit are adjustable zero and span values for calibrating in the field, as well as a damping feature to compensate for the fluctuating of readings.

**FEATURES/BENEFITS**

- Calculates and displays air velocity and volumetric air flow
- Rugged aluminum case protects instrument from damage during transport/use
- Calculates and displays air velocity and volumetric air flow
- Large, easy to read display with backlight for use in dark areas
- 9 selectable English and metric engineering units
- Stores up to 40 readings with minimum, maximum and average statistics

**APPLICATIONS**

- Air flow monitoring
- Duct static pressure

**SPECIFICATIONS**

**Service:** Air and compatible gases.

**Wetted Materials:** Consult factory.

**Accuracy:** ±0.5% FS, 60 to 78°F (15.6 to 25.6°C); ±1.5% FS from 32 to 60°F and 78 to 104°F (0 to 15.6°C and 25.6 to 40.0°C).

**Pressure Hysteresis:** ±0.1% FS.

**Temperature Limits:** See chart.

**Compensated Temperature Limits:** See chart.

**Pressure Limits:**

- **±0.1% FS**
- **±0.5% FS**

**Storage Temperature Limits:**

- **32°F (-0.6°C)**
- **60°C (140°F)**

**Display:**

0.42” (10.6 mm) 4 digit LCD.

**Resolution:**

- Pressure: 0.05 psi
- Velocity: 0.2 m/s
- Flow: 1.0 cfm

**Units of Pressure:**

- **in H2O**
- **mm H2O**
- **kPa**
- **psi**

**Units of Flow:**

- **cfm**
- **m3/hr**
- **m3/s**

**Units of Velocity:**

- **m/s**
- **knot**
- **mph**
- **ft/min**

**Weight:**

- 10.2 oz (289 g)

**Dimensions:**

- 2-13/16” (71.44 mm) x 1-1/16” (26.99 mm) x 29/32” (73.02 mm)

**Barbed for 1/8” OR 3/16” ID Tubing**

**Power Requirements:**

- 9 V alkaline battery

**OPTIONAL ACCESSORIES**

- Carrying case: tough gray nylon pouch protects any Series 477AV Manometer; double zipped for quick and easy access, with a belt loop that snaps closed; 7-1/2”H x 3”W x 2-1/4”D (191 x 76 x 57 mm)
- Soft carrying case
- Protective magnetic rubber boot

**ACCESSORIES**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
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<tbody>
<tr>
<td>A-402A</td>
<td>Carrying case; tough gray nylon pouch protects any Series 477AV Manometer; double zipped for quick and</td>
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<td></td>
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<tr>
<td>UHH-C1</td>
<td>Soft carrying case</td>
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<tr>
<td>A-47X-BOOT</td>
<td>Protective magnetic rubber boot</td>
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**A-47X-BOOT**

(Manometer not included)