SINGLE PRESSURE DIFFERENTIAL PRESSURE DIGITAL MANOMETERS
Electronic Zeroing, ±1.5% Accuracy

The SERIES 476A Single Pressure Digital Manometer can be used to measure low pressures from -20 to 20 in w.c. with ±1.5% FS accuracy. The SERIES 478A Differential Pressure Digital Manometer can be used to measure positive, negative, or differential pressures. Both units are constructed of an extruded aluminum case for exceptional durability.

FEATURES/BENEFITS
• ±1.5% FS accuracy
• Rugged extruded aluminum housing
• One button auto-zero function
• Auto power off function to conserve battery life
• Instant selection of up to nine English/metric units

APPLICATIONS
• Verify field instrumentation performance
• Adjust fuel mixture on combustion systems

SPECIFICATIONS
Service: Air and compatible gases.
Wetted Materials: Consult factory.
Accuracy: ±1.5% FS at 72°F (22.2°C). Includes linearity and repeatability.
Pressure Hysteresis: ±0.1% FS.
Pressure Limits: 5 psig (.74 bar).
Temperature Limits: 0 to 140°F (-17.8 to 60°C).
Compensated Temperature Limits: 32 to 104°F (0 to 40°C).
Thermal Effect: 0.05% FS/°F.
Display: 4 digit LCD (.425˝H x .234˝W digits).
Power Requirements: 9 V alkaline battery, installed non-functional, user replaceable.
Process Connections: For use with 3/16˝ or 1/4˝ ID tubing.
Weight: 10.8 oz (306 g).
Agency Approvals: CE.

MODEL CHART

<table>
<thead>
<tr>
<th>Model</th>
<th>Range in w.c.</th>
<th>Available Pressure Units</th>
<th>Resolution in w.c.</th>
<th>Maximum Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>476A-0</td>
<td>-20.0 to 20.0</td>
<td>bar 0.0498 psi 0.723 in Hg 1.477 kPa 4.98</td>
<td>0.02</td>
<td>5 psig</td>
</tr>
<tr>
<td>478A-0</td>
<td>-4.00 to 4.00</td>
<td>bar 0.1445 psi 2.94 in Hg 7.47 kPa 23.4</td>
<td>0.01</td>
<td>5 psig</td>
</tr>
<tr>
<td>478A-1</td>
<td>-60.0 to 60.0</td>
<td>bar 0.1495 psi 2.168 in Hg 4.41 kPa 13.8</td>
<td>0.1</td>
<td>5 psig</td>
</tr>
</tbody>
</table>

OPTION
To order add suffix: Description
-NIST NIST traceable calibration certificate
Example: 478A-1-NIST

ACCESSORIES
<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-402A</td>
<td>Carrying case, tough gray nylon pouch protects any Series 476A/478A manometer, double zippered for quick and easy access, belt loop that snaps closed, 7-1/2˝H x 3˝W x 2-1/4˝D (191 x 76 x 57 mm)</td>
</tr>
<tr>
<td>UHH-C1 A-47X-BOOT</td>
<td>Soft carrying case Protective magnetic rubber boot</td>
</tr>
</tbody>
</table>

Process Tubing Options: See page 443 (Gage Tubing Accessories)