The SERIES 490A Digital Manometers are versatile, hand-held, battery operated manometers available in several basic ranges for positive or positive differential pressure measurement and can tolerate most liquid media compatible with 316L SS. A new feature added to the Series 490A is a field adjustable damping, which allows the user to choose the level of display averaging rate corresponding to the fluctuation level common in many applications.

**FEATURES/BENEFITS**
- Up to 0.5% accuracy
- Seven user-selectable English and metric units
- Stores up to 40 readings for later recall
- Backlight for use in dim areas

**APPLICATIONS**
- Chiller to coils for freeze protection
- HEPA filters to determine when a filter needs to be changed
- Measure pressure drop across pumps
- Valves to determine valve position

**MODEL CHART**

<table>
<thead>
<tr>
<th>Model</th>
<th>Range psi</th>
<th>Available Pressure Units</th>
<th>Maximum Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>bar</td>
<td>psi</td>
<td>psi</td>
</tr>
<tr>
<td>490A-1</td>
<td>0 to 15.00</td>
<td>1.034 15.00 35.54 103.4 415.2</td>
<td>49.0</td>
</tr>
<tr>
<td>490A-2</td>
<td>0 to 30.00</td>
<td>2.069 30.00 61.08 206.9 830.4</td>
<td>98.0</td>
</tr>
<tr>
<td>490A-3</td>
<td>0 to 50.00</td>
<td>3.447 50.00 101.8 344.7 1384</td>
<td>147.0</td>
</tr>
<tr>
<td>490A-4</td>
<td>0 to 100.0</td>
<td>6.895 100.0 203.6 689.5 2768</td>
<td>295.0</td>
</tr>
<tr>
<td>490A-5</td>
<td>0 to 500.0</td>
<td>34.47 500.0 1018 3447.0</td>
<td>1470</td>
</tr>
<tr>
<td>490A-6</td>
<td>0 to 2000.0</td>
<td>137.9 2000.0 4072 1379 5536</td>
<td>4900</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

- **Service:** Compatible gases & liquids.
- **Wetted Materials:** Without valve: 316L SS; Additional wetted parts with 3-way valve option: Buna-N, silicone grease, PTFE, brass 360, copper, reinforced acetal copolymer.
- **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°C).
- **Pressure Hysteresis:** ±0.1% FS.
- **Pressure Limits:** See chart.
- **Temperature Limits:** 32 to 140°F (0 to 60°C).
- **Storage Temperature Limits:** -4 to 176°F (-20 to 80°C).
- **Display:** 0.42˝ (10.6 mm) 4 digit LCD.
- **Resolution:** See chart.
- **Power Requirements:** 9 V alkaline battery, installed non-functional, user replaceable.
- **Weight:** 14.1 oz (400 g).
- **Process Connections:** Two 1/8˝ (3.18 mm) female NPT.
- **Agency Approvals:** CE.

**OPTION**

<table>
<thead>
<tr>
<th>Description</th>
<th>Model Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NIST traceable calibration</td>
<td>A-402A</td>
</tr>
<tr>
<td>-NIST</td>
<td></td>
</tr>
<tr>
<td>3-way vent valve with bleed</td>
<td>A-47X-BOOT</td>
</tr>
<tr>
<td>screw rated up to 100 psi</td>
<td>(Manometer not included)</td>
</tr>
</tbody>
</table>

**ACCESSORY**

- **A-402A**
  - Carrying case, tough gray nylon pouch protects any Series 490A 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)
- **A-47X-BOOT**
  - Protective magnetic rubber boot