HYDRIC DIFFERENTIAL PRESSURE MANOMETER
Liquid & Gas Pressure Measurement, ±0.5% FS Accuracy

The SERIES 490A Hydronic Differential Pressure 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 316LSS. 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
• Digital dampening for low pressure - high resolution logging stability
• Automatic resolution adjustment for finer control

APPLICATIONS
• Chiller to coils for freeze protection
• Hydronic valve balancing
• Measure pressure drop across pumps
• Measures pressure across pumps

MODEL CHART

<table>
<thead>
<tr>
<th>Model</th>
<th>Available Pressure Units &amp; Resolution*</th>
<th>Maximum Pressure</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>490A-1</td>
<td>0 to 15.0 psi, 0 to 103.4 kPa, 0 to 757.7 mm Hg, 0 to 103.4 mbar</td>
<td>30 psig</td>
<td>$635.00</td>
</tr>
<tr>
<td>490A-2</td>
<td>0 to 30.0 psi, 0 to 206.9 kPa, 0 to 1551 mm Hg, 0 to 206.9 mbar</td>
<td>60 psig</td>
<td>$635.00</td>
</tr>
<tr>
<td>490A-3</td>
<td>0 to 50.0 psi, 0 to 344.7 kPa, 0 to 2585 mm Hg, 0 to 344.7 mbar</td>
<td>100 psig</td>
<td>$635.00</td>
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<tr>
<td>490A-4</td>
<td>0 to 100.0 psi, 0 to 689.5 kPa, 0 to 5171 mm Hg, 0 to 689.5 mbar</td>
<td>200 psig</td>
<td>$635.00</td>
</tr>
<tr>
<td>490A-5</td>
<td>0 to 500.0 psi, 0 to 3447 kPa, 0 to 9999 mm Hg, 0 to 3447 mbar</td>
<td>1000 psig</td>
<td>$635.00</td>
</tr>
<tr>
<td>490A-6</td>
<td>0 to 200.0 psi, 0 to 1379 kPa, 0 to 9999 mm Hg, 0 to 1379 mbar</td>
<td>2000 psig</td>
<td>$635.00</td>
</tr>
</tbody>
</table>

OPTIONS

To order add suffix:
- NIST: Includes NIST Calibration traceable certificate +$109.00
- HKIT: Hydronic meter kit includes two 6 ft high pressure rated tubing with shut off valves, high pressure 3-way valve, 8 ft Poly tubing for purges, hard travel case, handheld carrying strap, 1/16” x 1 1/2”, 1/8” x 3” and 1/8” x 1-1/2” pairs of pressure probes, 90° Flare to 1/4” NPT fittings, Adjustable 8” wrench, PTFE Tape, and magnetic protective rubber boot. NIST Calibration Certificate Standard +$1360.00

ACCESSORIES

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-402A</td>
<td>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” x 3” x 3” (191 x 76 x 77 mm)</td>
<td>$41.75</td>
</tr>
<tr>
<td>A-47X-BOOT</td>
<td>Protective magnetic rubber boot</td>
<td>$12.50</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

Service: Compatible gases & liquids.
-HKIT Option: 316LSS, PTFE, Brass, Copper.
Accuracy: ±0.5% FS, 60 to 78°F (15.6 to 25.6°C); ±1.5% FS from 32°F 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.
Electronic Temperature Limits: 32 to 140°F (0 to 60°C).

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

USA: California Proposition 65

A-402A

A-47X-BOOT (Manometer not included)