**Series 490**

**Wet/Wet Handheld Digital Manometer**

Liquid & Gas Pressure Measurement, ±0.5% FS Accuracy

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**Series 490 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 316LSS. A memory function allows storage of up to 40 readings for later recall and a backlight provides auxiliary lighting for hard-to-see locations.

Standard are a hold feature and both visual and audible overpressure alarms. A new feature added to the Series 490 is a field adjustable damping. This allows the user to choose the level of display averaging rate corresponding to the fluctuation level common in many applications. A 9 V alkaline battery is included that provides up to 100 hours of operation.

<table>
<thead>
<tr>
<th>Model</th>
<th>Range (psi)</th>
<th>Available Pressure Units</th>
<th>Maximum Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>490-1</td>
<td>0-15.00</td>
<td>bar</td>
<td>psi</td>
</tr>
<tr>
<td>490-2</td>
<td>0-30.00</td>
<td>2.069</td>
<td>30.00</td>
</tr>
<tr>
<td>490-3</td>
<td>0-50.00</td>
<td>3.447</td>
<td>50.00</td>
</tr>
<tr>
<td>490-4</td>
<td>0-100.00</td>
<td>6.895</td>
<td>100.00</td>
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<tr>
<td>490-5</td>
<td>0-500.00</td>
<td>34.47</td>
<td>500.00</td>
</tr>
<tr>
<td>490-6</td>
<td>0-200.00</td>
<td>13.99</td>
<td>200.00</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% full-scale, 60 to 78°F (15.6 to 25.6°C); ±1.5% full-scale 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% of full scale.
- **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**

For NIST traceable calibration certificate, add suffix -NIST to model numbers. Example: 490-1-NIST.

**A-402A, Carrying Case** — Tough gray nylon pouch protects any Series 490 Wet/Wet Handheld Digital Manometer. Double zippered for quick and easy access. With belt loop that snaps closed.

7-1/2”H x 3”W x 2-1/4”D (191 x 76 x 57 mm)

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USA: California Proposition 65

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