Monitor differential pressure in air/liquid flow systems, HVAC automation, pneumatic systems and process control with the **Series 647 Wet/Wet Differential Pressure Transmitter**. Units are temperature compensated and provide a 4-20 mA output signal which can be interfaced with chart recorders, data loggers and computerized monitoring and control systems.

**FEATURES/BENEFITS**
- Versatile for liquid or gas supports designs requiring more precise measurements in support of application
- Temperature compensated improves performance of device for accurate measurement under different operating environments.
- Output signal provides capability to interface with automation systems to centralize monitoring

**APPLICATIONS**
- Flow
- HVAC automation
- Process control
- Pneumatic systems

**MODEL CHART**

<table>
<thead>
<tr>
<th>Model</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>647-0</td>
<td>0 to 1 in w.c.</td>
</tr>
<tr>
<td>647-1</td>
<td>0 to 3 in w.c.</td>
</tr>
<tr>
<td>647-2</td>
<td>0 to 25 in w.c.</td>
</tr>
<tr>
<td>647-3</td>
<td>0 to 5 in w.c.</td>
</tr>
<tr>
<td>647-4</td>
<td>0 to 10 in w.c.</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**
- **Service**: Compatible gases or liquids on both pressure and reference sides. Wetted Materials: Brass, vinyl, glass-filled polyester, silicon, and fluorosilicone.
- **Accuracy**: ±1.0% FS.
- **Stability**: ±1.5% FS output/year.
- **Temperature Limits**: 32 to 122°F (0 to 50°C).
- **Pressure Limits**: Ranges 1 in w.c. to 5 psi: 20 psi, 15 psi range: 45 psi, 30 psi range: 60 psi.
- **Thermal Effects**: Zero: ±0.05% FS/F, Span: ±0.05% rdg/F.
- **Power Requirements**: 18-30 VDC.
- **Output Signal**: 4-20 mA, 2-wire.
- **Zero and Span Adjustments**: Adjustable, ±10%.
- **Loop Resistance**: 400Ω @ 18 VDC, 600Ω @ 24 VDC, 1000Ω @ 30 VDC.
- **Electrical Connection**: Screw terminals, reverse polarity protected.
- **Process Connections**: Two 1/8˝ female NPT.
- **Housing**: Gasketed steel epoxy painted, NEMA 4 (IP56).
- **Weight**: 14 oz (397 g).

**OPTIONS**

<table>
<thead>
<tr>
<th>Use order code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NISTCAL-PT1</td>
<td>NIST traceable calibration certificate</td>
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