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 to 20 mA output signal which can be interfaced with chart recorders, data loggers and computerized monitoring and control systems.

### Series 647 Wet/Wet Differential Pressure Transmitter

Ranges from 0 to 1 in w.c., ±1.0% Accuracy, NEMA 4 (IP56) Enclosure, 2-Wire

**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.
- **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 to 30 VDC.
- **Output Signal**: 4 to 20 mA, 2-wire.
- **Zero and Span Adjustments**: Adjustable, ±10%.
- **Loop Resistance**: 400Q @ 18 VDC, 600Q @ 24 VDC, 1000Q @ 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).

**Units are subject to Schedule B discounts.**

For NIST traceable calibration certificate, use order code NISTCAL-PT1: $135.00

**OPTION**

- For optional 3-valve manifold assembly, specify -3V as suffix and add $245.00.

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Series 645 Wet/Wet Differential Pressure Transmitter

±0.25% Accuracy, Quick Response, 2-Wire Design

**Series 645 Wet/Wet Differential Pressure Transmitters** are designed for use with compatible gases and liquids which can be applied to both the pressure and reference ports. Quick response capacitance sensor delivers a 4 to 20 mA output signal proportional to differential pressure with ±0.25% accuracy. The Series 645 transmitters are ideal for process control, filter condition monitoring, refrigeration equipment, pump speed control, HVAC equipment, and liquid level measurement. For ease of installation and maintenance, order optional 3-valve manifold assembly. Bleed ports allow for total elimination of air in the line and pressure cavities.

**Price** — All Series 645 models listed below: $435.00

<table>
<thead>
<tr>
<th>Model</th>
<th>Range</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>645-0</td>
<td>0 to 1 psid</td>
<td>$391.00(3)</td>
</tr>
<tr>
<td>645-1</td>
<td>0 to 3 psid</td>
<td>$391.00(3)</td>
</tr>
<tr>
<td>645-2</td>
<td>0 to 5 psid</td>
<td>$391.00(3)</td>
</tr>
<tr>
<td>645-3</td>
<td>0 to 10 psid</td>
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</tr>
<tr>
<td>645-4</td>
<td>0 to 25 psid</td>
<td>$391.00(3)</td>
</tr>
</tbody>
</table>

**Note**: For optional 3-valve manifold assembly, specify -3V as suffix and add $245.00.

**OPTION**

For NIST traceable calibration certificate, use order code NISTCAL-PT1: $135.00

**Items are net priced and are not subject to any discount.**