SERIES 647

WET/WET DIFFERENTIAL PRESSURE TRANSmitter
Ranges from 1 to 25 in w.c., ±1.0% Accuracy, NEMA 4 (IP56) Enclosure, 2-Wire

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 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 ±1.0% FS accuracy.

APPLICATIONS
• Flow
• HVAC automation
• Refrigeration equipment
• Process control
• Pneumatic systems

FEATURES/BENEFITS
• Optional 3-way valve manifold supports simplifying installation or removal of transmitter without interrupting process
• Versatile, high-accuracy device for liquid or gas supports designs requiring more precise measurements in support of application

SPECIFICATIONS
Service: Compatible gases or liquids on both pressure and reference sides.
Wetted Materials: Brass, vinyl, glass-filled polyester and fiberglass.
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.

MODEL CHART

<table>
<thead>
<tr>
<th>Model</th>
<th>Range</th>
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<tbody>
<tr>
<td>647-0</td>
<td>0 to 1 in w.c.</td>
<td>647-3</td>
<td>0 to 5 in w.c.</td>
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<tr>
<td>647-1</td>
<td>0 to 3 in w.c.</td>
<td>647-4</td>
<td>0 to 10 in w.c.</td>
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<tr>
<td>647-2</td>
<td>0 to 25 in w.c.</td>
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USA: California Proposition 65
\(\text{WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov}\)

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.

APPLICATIONS
• Process control
• Refrigeration equipment
• HVAC equipment

FEATURES/BENEFITS
• Versatile, high-accuracy device for liquid or gas supports designs requiring more precise measurements in support of application
• Optional 3-way valve manifold supports simplifying installation or removal of transmitter without interrupting process

APPLICATIONS
• Process control
• Refrigeration equipment
• HVAC equipment

SPECIFICATIONS
Service: Adjustable, ±1 mA, non-interactive.
Wetted Materials: 17-4 PH stainless steel, 300 Series stainless steel, fluororubber and silicone O-rings and bleed screw seals.
Accuracy: ±0.25% FS (RSS).
Temperature Limits: Operating: 0 to 175°F (-22 to 80°C); Storage: -50 to 200°F (-54 to 126°C).
Pressure Limits: (High side) 1 to 5 psi: 20 x FS, 10 to 25 psi: 10 x FS, 50 psi: 5 x FS, 100 psi: 2.5 x FS; (low side) 2.5 x FS.
Thermal Effects: (includes zero and span) ±0.02% FS/°F, 30 to 150°F (-1 to 65°C).
Power Requirements: 11 to 30 VDC.
Output Signal: 4 to 20 mA, 2-wire.

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<tbody>
<tr>
<td>645-0</td>
<td>0 to 1 psid</td>
<td>645-4</td>
<td>0 to 25 psid</td>
</tr>
<tr>
<td>645-1</td>
<td>0 to 2 psid</td>
<td>645-5</td>
<td>0 to 50 psid</td>
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<tr>
<td>645-2</td>
<td>0 to 5 psid</td>
<td>645-6</td>
<td>0 to 100 psid</td>
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