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.

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
- Process control
- HVAC automation
- Pneumatic systems

SERIES 647 Wet/Wet Differential Pressure Transmitter
Ranges from 0 to 25 in w.c., ±1.0% Accuracy, NEMA 4 (IP56) Enclosure, 2-Wire

SERIES 645 Wet/Wet Differential Pressure Transmitter
±0.25% Accuracy, Quick Response, 2-Wire Design

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 from 0 to 25 in w.c. ±1.0% Accuracy, NEMA 4 (IP56).
- Thermal Effects: Zero: ±0.05% FS/°F, Span: ±0.05% rdg/°F.

OPTIONS
- Use order code: Description
- NISTCAL-PT1: NIST traceable calibration certificate

USA: California Proposition 65
\*WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

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 ±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.

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
- Filter monitoring
- Pump speed control
- Liquid level measurement

MODEL CHART
- Model Range Model Range
  - 645-0 0 to 1 psid 645-4 0 to 25 psid
  - 645-1 0 to 2 psid 645-5 0 to 50 psid
  - 645-2 0 to 5 psid 645-6 0 to 100 psid
  - 645-3 0 to 10 psid

Note: For optional 3-valve manifold assembly, add -3V to end of model number.

SPECIFICATIONS
- Service: Compatible gases or liquids on both pressure and reference sides.
- Wetted Materials: 17-4 PH stainless steel, 300 Series stainless steel, fluoroelastomer 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: -65 to 260°F (-54 to 126°C).
- Pressure Limits: (High side) 1 to 5 psid: 20 x FS, 10 to 25 psid: 10 x FS, 50 psid: 5 x FS, 100 psid: 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.

OPTIONS
- Use order code: Description
- NISTCAL-PT1: NIST traceable calibration certificate

USA: California Proposition 65
\*WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov