

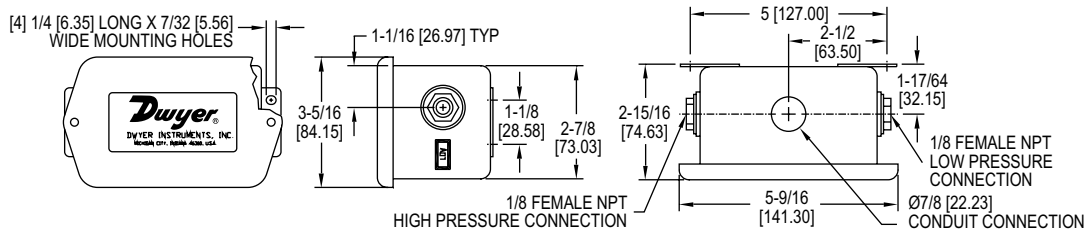
Dwyer

SERIES 647

# WET/WET DIFFERENTIAL PRESSURE TRANSMITTER

±1.0% Accuracy, NEMA 4 (IP56) Enclosure, 2-Wire

CALIBRATION SERVICES AVAILABLE



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.

## BENEFITS/FEATURES

- 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

Model	Range
647-0	0 to 1 in w.c.
647-1	0 to 3 in w.c.
647-2	0 to 25 in w.c.
647-3	0 to 5 in w.c.
647-4	0 to 10 in w.c.

## 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

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

USA: California Proposition 65  
**WARNING:** This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).