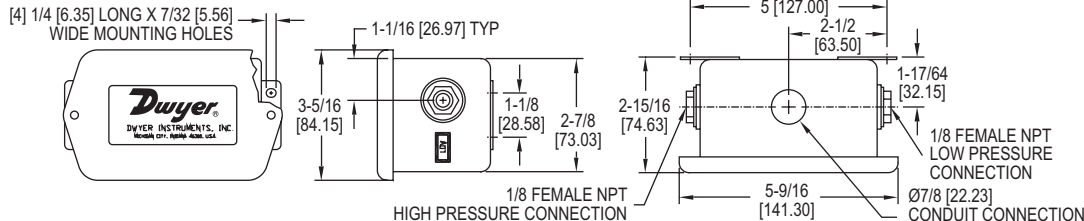


**Dwyer**

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.

**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 |                 |                         |
|-------------|-----------------|-------------------------|
| Model       | Range           | Price                   |
| 647-0       | 0 to 1 in w.c.  | \$624.00 <sup>(B)</sup> |
| 647-1       | 0 to 3 in w.c.  | 460.00 <sup>(B)</sup>   |
| 647-2       | 0 to 25 in w.c. | 460.00 <sup>(B)</sup>   |
| 647-3       | 0 to 5 in w.c.  | 460.00 <sup>(B)</sup>   |
| 647-4       | 0 to 10 in w.c. | 460.00 <sup>(B)</sup>   |

<sup>(B)</sup> Items are subject to Schedule B discounts.

**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                            | Price                   |
|-----------------|--|-------------------------|
| NISTCAL-PT1     | NIST traceable calibration certificate | \$144.00 <sup>(N)</sup> |

<sup>(N)</sup> Items are net priced and are not subject to any discount.

USA: California Proposition 65

⚠WARNING: Cancer and Reproductive Harm  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)