The Series 648B Differential Pressure Transmitter is designed to be used with clean, dry air and other non-corrosive gases. Each unit features a flame retardant enclosure and a unique design which is suitable for circuit board mounting. Series 648B measures differential pressure at an accuracy of ±2.0% FS down to 0.5 in w.c. The transmitter contains a stainless steel sensor that provides resistance against corrosion and exceptional insensitivity to vibration. These features make the transmitters perfect for VAV systems, filter monitoring, HVAC fan control, building pressurization, and leak detection systems.

**SPECIFICATIONS**

- **Service:** Air and non-combustible, compatible gases.
- **Wetted Materials:** 302 SS, glass, nickel, silicon rubber, polyethylene, acrylic, ABS and brass.
- **Accuracy:** ±0.8% FS* at room temperature
- **Stability:** ±1% FS/yr.
- **Response Time:** Approximately 10 ms
- **Max. Loop Resistance:** 300 Ω
- **Power Requirements:** 13 to 32 VDC.
- **Output Signal:** 4 to 20 mA.
- **Zero and Span Adjustments:** Push button for zero, potentiometer for span.
- **Thermal Effects:** ±0.025% FS/F (0.045%/°C).

**Series 646B Differential Pressure Transmitter**

Unidirectional and Bidirectional Ranges, Removable Terminal Block

The Series 646B Differential Pressure Transmitter is designed to be used with clean, dry air and other non-corrosive gases. Each unit features a push-activated zero function and an associated LED light indicator. With the convenient push-button, zero calibration can be performed without any additional equipment, which significantly reduces time and cost for users. The dual color LED indicates if the transmitter is at normal operation, overpressure, or in the process of zero calibration. The enclosure consists of a flame retardant plastic top cover and a stainless steel bottom plate for resistance against corrosion and exceptional insensitivity to vibration. These features make the transmitter features excellent stability, low hysteresis, accurate operation over a broad temperature range, and exceptional insensitivity to vibration. The Series 646B transmitter contains a stainless steel sensor that provides resistance against corrosion and exceptional insensitivity to vibration. These features make the transmitters perfect for VAV systems, filter monitoring, HVAC fan control, building pressurization, and leak detection systems.

**SPECIFICATIONS**

- **Service:** Air and non-combustible, compatible gases.
- **Wetted Materials:** 302 SS, glass, nickel, polyethylene, acrylic, ABS and brass.
- **Accuracy:** ±2.0% FS* at room temperature
- **Stability:** ±1% FS/yr.
- **Response Time:** Approximately 10 ms
- **Max. Loop Resistance:** DC: 0 to 950 Ω.
- **Electrical Connection:** Detachable euro-style terminal block.
- **Process Connections:** 3/16” OD barbed fitting for 1/8” ID push-on tubing.
- **Housing:** SS and PC+ABS alloy.
- **Weight:** 3.8 oz (108 g).

**Series 648B Differential Pressure Transmitter**

Ranges Down to 0.5 in w.c., Ratiometric Signal Output

The Series 648B Differential Pressure Transmitter is designed to be used with clean, dry air and other non-corrosive gases. Each unit features a flame retardant enclosure and a unique design which is suitable for circuit board mounting. Series 648B measures differential pressure at an accuracy of ±2.0% FS down to 0.5 in w.c. The transmitter contains a stainless steel sensor that provides resistance against corrosion combined with excellent performance and long term stability. The Series 648B transmitter features excellent stability, low hysteresis, accurate operation over a broad temperature range, and exceptional insensitivity to vibration. These features make the transmitters perfect for VAV systems, filter monitoring, HVAC fan control, building pressurization, and leak detection systems.

**SPECIFICATIONS**

- **Service:** Air and non-combustible, compatible gases.
- **Wetted Materials:** 302 SS, glass, nickel, polyethylene, acrylic and ABS.
- **Accuracy:** ±2.0% FS* at room temperature
- **Stability:** ±1% FS/yr.
- **Response Time:** Approximately 10 ms
- **Electrical Connection:** Three stripped, color-coded lead wires, 26 AWG, approximately 3.5” length.
- **Process Connections:** 3/16” OD barbed fitting for 1/8” ID push-on tubing.
- **Housing:** PBT+ABS alloy.
- **Weight:** 3.1 oz (90 g).

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<th>Model</th>
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<td>$160.00</td>
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<td>648B-02</td>
<td>0 to 0.25</td>
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<tr>
<td>648B-03</td>
<td>0 to 0.5</td>
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<tr>
<td>648B-04</td>
<td>0 to 1</td>
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<td>648B-05</td>
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<td>648B-06</td>
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* Items are subject to Schedule B discounts.