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 plastic top cover and a stainless steel bottom plate for high ruggedness. The pressure ranges vary from 0.1 in w.c. to 25 in w.c. unidirectional and 0.25 in w.c. to 5 in w.c. bidirectional. Wiring time is reduced with the removable terminal block. Each unit features a 2-wire 4 to 20 mA output that is fully protected against short circuiting and incorrect wiring.

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**SPECIFICATIONS**

**Service:** Air and non-combustible, compatible gases.

**Wetted Materials:** 302 SS, glass, nickel, polyethylene, acrylic, ABS and brass.

**Accuracy:** ±0.8% FS* at room temperature.

*RSS (Root Sum Square) includes non-linearity, hysteresis and non-repeatability.

**Stability:** ±1% FS/yr.

**Temperature Limits:** Operating: 0 to 170°F (-18 to 77°C); Storage: -65 to 185°F (-54 to 85°C).

**Pressure Limits:** 15 psi (100 kPa) proof pressure; 30 psi (200 kPa) burst pressure.

**Weight:** 3.8 oz (108 g).

**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).

**Pressure Limits:** 15 psi (100 kPa) proof pressure; 30 psi (200 kPa) burst pressure.

**Weight:** 3.1 oz (90 g).

**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:** 3.6 oz (106 g).