The Series 648B and 648C Differential Pressure Transmitters are 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 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. Series 648B comes standard with ±0.8% FS* accuracy, while 648C models are available in ±0.4% FS* accuracy for more demanding applications. 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.

### Differential Pressure Transmitter

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

The Series 646B 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 646B 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 646B 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, silicon rubber, polyethylene, acrylic, ABS and brass.

**Accuracy:** 648B: ±0.8% FS* at room temperature; 648C: ±0.4% 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.

**OPTION**

For NIST traceable calibration certificate, use order code NISTCAL-PT1.  

Items are net priced and are not subject to any discount.

See page 587 for process tubing options.

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