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. Wiring is reduced with the removable terminal block. Each unit 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 ±9.4% FS* accuracy for more demanding applications. 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.

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.
- Weight: 3.8 oz (108 g).

Note: To order unit with ±0.4% FS* accuracy, change B to C in model number. Ex. 648C-01

Series 677B Differential Pressure Transmitters are designed to measure pressures as low as 0.1 in w.c. with ±0.4% accuracy. Use Series 677B for building energy management systems, environmental pollution control, oven pressurization, lab and fume hood control, HVAC and VAV applications. The transmitter features 15 psi overpressure, reverse polarity protection and EMI/RFI protection. Internal regulation permits use with unregulated DC power supplies. The NEMA 4 housing allows for versatile mounting locations and integral mounting tabs simplify installation.

SPECIFICATIONS
- Service: Air and non-conductive, non-corrosive gases.
- Wetted Materials: 302 SS, glass, nickel, silicone rubber and brass.
- Accuracy: ±0.4% FS* heating temperature.
- Thermal Effects: (Includes zero and span) <0.028% FS/F, 0 to 185°F (-18 to 85°C).
- Power Requirement: 16 to 32 VDC.
- ZERO and Span Adjustments: Internally accessible potentiometers, zero and span noninteractive.
- Response Time: Approximately 10 ms.
- Max. Loop Resistance: DC: 0 to 800 Ω.
- Housing: SS and PC+ABS alloy. Weight: 11.5 oz (330 g).

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