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 to measure pressures in HVAC, VAV, and air handling systems. Series 677B is also used for environmental pollution control, oven pressurization, lab and fume hood control, as low as 0.1 in w.c. with ±0.4% accuracy. Use Series 677B for NIST traceable calibration certificate, use order code NISTCAL-PT1.

### Specifications
- **Service**: Air and non-conductive, non-corrosive gases.
- **Wetted Materials**: 302 SS, glass, nickel, silicone rubber and brass.
- **Accuracy**: ±0.4% FS* at room temperature. *RSS includes non-linearity, hysteresis and non-repeatability.
- **Pressure Limits**: ±15 psi (100 kPa).
- **Temperature Limits**: Operating and Compensated: 0 to 185°F (-18 to 85°C).
- **Power Requirement**: 15 psi (100 kPa).
- **Thermal Effects**: Includes zero and span -0.028% FS*/°F, 0 to 185°F (-18 to 85°C)
- **Output**: 4 to 20 mA DC, 2-wire.
- **Zero and Span Adjustments**: Internally accessible potentiometers, noninteractive.
- **Response Time**: Approximately 10 ms.
- **Max. Loop Resistance**: DC: 0 to 800 Ω.
- **Process Connection**: 3/16˝ OD rubber or plastic tubing.
- **Enclosure Rating**: NEMA 4 (IP65).
- **Weight**: 11.5 oz (330 g).
- **Agency Approval**: CE.

### Accessories
- **A-302F-A**, 303 SS Static Pressure Tip with mounting flange.
- **A-489**, 4˝ Straight Static Pressure Tip with Flange

See page 587 for process tubing options.

### Options
- **Low Pressure Port**: 4-17/32 [115.00]
- **High Pressure Port**: 4-3/64 [102.90]
- **Output Signal**: 4 to 20 mA.
- **Zero and Span Adjustments**: Digital push-button zero and span.
- **Loop Resistance**: DC: 0-1250 Ω maximum.
- **Current Consumption**: DC: 38 mA max.
- **Electrical Connections**: Screw-terminal block.
- **Display**: 5.5 digit LCD, 0.7" H.
- **Process Connections**: 1/8˝ ID tubing.
- **Mounting Orientation**: Vertical.
- **Weight**: 4.8 oz (136 g).

### Call to Order
- **800/872-9141**

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See page 587 for process tubing options.