The Series 610 Low Differential Pressure Transmitters are capable of measuring the pressures and flow of air or non-conducting gases at high resolutions. Designed specifically for clean rooms, isolation rooms, and other critical environments, the Series 610 uses an improved all stainless steel micro-tig welded sensor to detect differential pressure and convert this pressure into a linear DC electrical signal by a unique electrical circuit. This unit is ideal for situations where accurate and reliable pressure monitoring is essential. Easy access pressure ports and electrical connections, removable process heads, and detachable terminal blocks make for fast and easy installation. The Series 610 transmitters are available for air pressure ranges as low as 0.1 in w.c. full scale. Accuracy is ±0.5% or ±0.25% full scale (terminal-based) in normal ambient temperature environments. The tensioned sensor allows up to 2 psi overpressure in either direction with absolutely no damage to the unit. The Series 610 transmitters are available in a variety of models with different ranges and accuracies. The Series 610 transmitters are capable of being ordered as either a base mount or a din rail mount and the option of a digital read out display. In addition, a calibration key can be ordered that allows the user to set zero and span. One key will work on multiple transmitters.

**FEATURES**
- Ranges down to 0.1 in w.c. with 0.25% or 0.5% F.S. accuracy
- Removeable process head for simplified installation
- Secure operation ensured with calibration only possible via separate calibration key
- Calibration certificate included with ±0.25% accuracy models

**SPECIFICATIONS**
- Service: Air or similar non-conducting gases.
- Accuracy: ±0.25% or ±0.5% F.S.
- Stability: ±0.5%/yr.
- Temperature Limits: -20 to 160°F (-29 to 71°C).
- Pressure Limits: 2 psi (0.137 bar).
- Thermal Effect: 0.5% F.S.
- Power Requirements: 13.5 to 30 VDC.
- Loop Resistance: 800 Ω max.
- Zero and Span Adjustments: External security key pendant.
- Response Time: 0.02 to 0.04 seconds.
- Electrical Connections: Detachable screw terminal connector.
- Process Connections: 3/16˝ ID rubber or plastic tubing. 4˝ insertion depth. Includes mounting screws.
- Weight: 9 oz (255 g).
- Agency Approvals: CE.

**ACCESSORIES**
- A-165, Security Key .................................................. $100.00
- A-302F-A, 303 SS Static Pressure Tip with mounting flange. For 3/16˝ ID rubber or plastic tubing. 4˝ insertion depth. Includes mounting screws ........................................... 9.10
- A-489, 4˝ Straight Static Pressure Tip with Flange .................. 6.67
- A-616, Process Head without display ................................. 80.00
- A-617, Process Head with LCD display ............................ 110.00

See page 587 for process tubing options.

**OPTION**
- For NIST traceable calibration certificate, use order code NISTCAL-PT1. ........................................... $135.00

© Items are subject to Schedule B discounts.