Model 269
Secure-Sense™ Low Differential Pressure Transducer

Setra's Model 269 transducer is the highest accuracy solution for monitoring differential pressure in critical environments. Its 0.25% accuracy is calibrated using the “End Point Method” which improves linearity when compared to competitive transducers which use the “Best Fit Straight Line” method. The 269's calibration is tamper proof by utilizing a removable process head that eliminates inadvertent adjustments while allowing in-situ calibrations without removing the process tubing. Calibrations can be performed automatically when performed with Setra's MicroCal outfitted with an expert system. The 269 offers multiple mounting configurations, including DIN rail, for quicker and easier installation.

High Accuracy for Demanding Pharmaceutical Applications
The Model 269 differential pressure transducer uses a dead-ended capacitive differential sensing element with superior linearity and enhanced thermal performance to ensure the highest accuracy and reliability in your most critical and demanding applications.

Secure and Fast Calibration & Service
The Model 269 is designed specifically for the pharmaceutical industry’s stringent calibration guidelines in mind. The 269 has a removable process head to allow technicians to perform calibrations without cutting pneumatic tubes during each calibration cycle. The 269 also provides secure calibration; in order to make sensor adjustments, the unit requires a calibration key to prevent unauthorized personnel from making unwanted changes.

Flexibility in Installation
The Model 269 is available in both a base and DIN rail providing the installer with flexible mounting options. The base mount allows the sensor to be installed anywhere, whereas the DIN rail configuration is designed to maximize space efficiency in a pharmaceutical panel. Optional display is available for all mounting options.

Where We're Installed:
- Abbott Laboratores
- Genzyme
- Merck
- Sanofi Pasteur
- Thermo Systems

Model 269 Features:
- Secure Calibration - No Zero/Span Access
- Security key required for calibration
- End Point 0.25% Accuracy - Improved Linearity
- 2:1 Turndown Ratio Available
- Fire Retardant Case (UL 94 V-0 Approved)
- Enhanced Thermal Performance
- DIN rail mounting option available
- Optional display available

Highest Accuracy HVAC/R Transducer
Secure Calibration
Reduce Calibration Time
## Model 269

**Secure-Sense™ Low Differential Pressure Transducer**

### Ordering Information

<table>
<thead>
<tr>
<th>Model</th>
<th>Range Code - Unidirectional</th>
<th>Range Code - Bidirectional</th>
<th>Output</th>
<th>Mounting</th>
<th>Display</th>
<th>Accuracy</th>
<th>Turndown</th>
</tr>
</thead>
<tbody>
<tr>
<td>2691</td>
<td>269</td>
<td>269</td>
<td>11</td>
<td>B</td>
<td>D w/ Display</td>
<td>±0.25%FS</td>
<td>±2:1</td>
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<tr>
<td></td>
<td>= 269</td>
<td>269</td>
<td></td>
<td>Din Rail</td>
<td>No Display</td>
<td>±0.50%FS</td>
<td>None</td>
</tr>
</tbody>
</table>

Ordering Example: Part No. SRCM05WBBA1HNS for A SRCM, ±0.05”WC Range, 24VAC/4-20 mA, 0.5% Full Scale Accuracy, No Pressure Snubber

* For other pressure fitting configurations, please contact factory.

### Dimensions

**Performance Data**

- **Code V**
  - Accuracy Class (FS): ±0.25%  ±0.15%  ±0.10%
  - Non-Linearity (Endpoint): ±0.15%  ±0.35%  ±0.25%
  - Non-Linearity (BFSL): ±0.05%  ±0.05%
  - Hysteresis: ±0.05%  ±0.05%
  - Non-Repeatability: ±0.05%  ±0.05%
  - Zero/Span Setting Tol.: ±0.05%  ±0.05%
  - Thermal Effects: ±0.05%  ±0.05%

- **Code E**
  - Accuracy Class (FS): ±0.50%  ±0.35%  ±0.25%
  - Non-Linearity (Endpoint): ±0.35%  ±0.75%
  - Non-Linearity (BFSL): ±0.15%
  - Hysteresis: ±0.05%  ±0.05%
  - Non-Repeatability: ±0.05%

- **Code G**
  - Accuracy Class (FS): ±1.00%  ±0.75%  ±0.55%
  - Non-Linearity (Endpoint): ±0.75%
  - Non-Linearity (BFSL): ±0.35%
  - Pressure Fittings: 3/16” O.D. Barbed Brass Fittings on Removable Process Head

**Physical Description**

- **Case**: Fire Retardant ABS
- **Mounting**: Base Mount or 35mm DIN Rail
- **Electrical Connection**: Detachable Screw Terminal Strip
- **Pressure Fittings**: 3/16” O.D. Barbed Brass Fittings on Removable Process Head
- **Zero/Span Adjustments**: External Security Key (269425-02)

**Electrical Data (Current)**

- **Output**: 4 to 20mA
- **Compensated Range**: 20 to +140°F
- **Zero/Span Shift %FS/°F**: 0.01%  0.02%  0.02%
- **Maximum Line Pressure**: 10 PSI
- **Overpressure**: Up to 2 PSI (Range Dependent)
- **Long Term Stability**: 0.5% FS/1 YR

**Environmental Data**

- **Temperature**: -20 to +160°F
- **Humidity**: 0 to 100% RH
- **Pressure Media**: Clean air or other similar non-conducting gases.

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1. Units calibrated at standard 70°F. Max thermal error computer from this datum.
2. Calibrated at factory with a 24VDC loop supply voltage and a 250 ohm load. Specifications subject to change without notice.