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.

- **Highest Accuracy HVAC/R Transducer**
- **Secure Calibration**
- **Reduce Calibration Time**

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

Where We're Installed:

- Abbott Laboratores
- Genzyme
- Merck
- Sanofi Pasteur
- Thermo Systems

Phone: 800-257-3872 • Fax: 978-264-0292 • setra.com

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ORDERING INFORMATION

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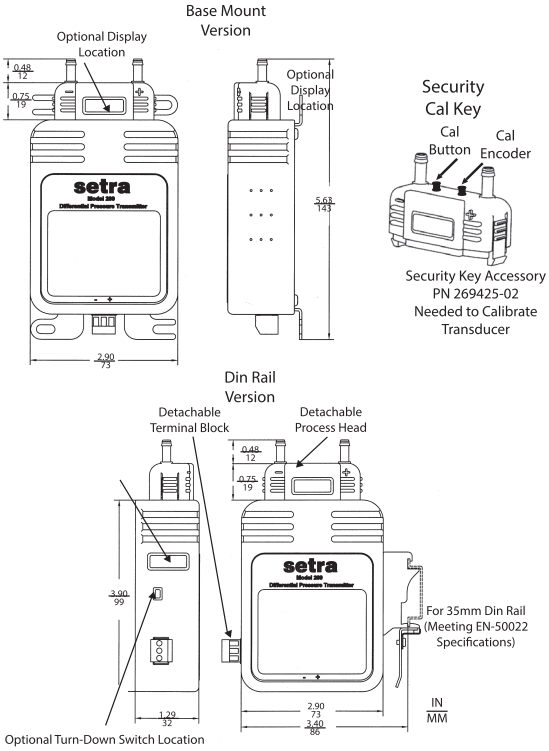
Model	Range Code - Unidirectional				Range Code - Bidirectional				Output		Mounting		Display		Accuracy		Turndown	
2691 = 269	RANGE CODE	INCHES W.C.	RANGE CODE	PASCALS	RANGE CODE	INCHES W.C.	RANGE CODE	PASCALS	11	4-20 mA	B	Base Mount	D	w/ Display	V	±0.25%FS	A	2:1
	0R1WD	0 to 0.1	025LD	0 to 25	R05WB	±0.05	015LB	±15			D	DIN Rail	N	No Display	E	±0.50%FS	N	None
	R25WD	0 to 0.25	050LD	0 to 50	0R1WB	±0.1	025LB	±25							G	±1.0%FS		
	0R5WD	0 to 0.5	100LD	0 to 100	R25WB	±0.25	050LB	±50										
	001WD	0 to 1	250LD	0 to 250	0R5WB	±0.5	100LB	±100										
	2R5WD	0 to 2.5	500LD	0 to 500	001WB	±1	250LB	±250										
	003WD	0 to 3	001KD	0 to 1kPa	1R5WB	±1.5	500LB	±500										
	005WD	0 to 5	2R5KD	0 to 2.5kPa	2R5WB	±2.5	001KB	±1 kPa										
	010WD	0 to 10			005WB	±5												

Ordering Example: Part No. SRCMR05WBA1HNS 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



GENERAL SPECIFICATIONS

Performance Data				Physical Description	
	Code V	Code E	Code G	Case	Fire Retardant ABS
Accuracy Class (FS)	±0.25%	±0.50%	±1.00%	Mounting	Base Mount or 35mm DIN Rail
Non-Linearity (Endpoint)	±0.15%	±0.35%	±0.75%	Electrical Connection	Detachable Screw Terminal Strip
Non-Linearity (BFSL)	±0.10%	±0.25%	±0.55%	Pressure Fittings	3/16" O.D. Barbed Brass Fittings on Removable Process Head
Hysteresis	±0.05%	±0.05%	±0.10%	Zero/Span Adjustments External Security Key (269425-02)	
Non-Repeatability	±0.05%	±0.05%	±0.05%	**Electrical Data (Current)**	
Zero/Span Setting Tol.	16±.04mA	16±.08mA	16±.12mA	Circuit	2-Wire
Thermal Effects[1]				Output[2]	4 to 20mA
Compensated Range °F	20 to +140			Bidirectional output at zero pressure	12mA
Zero/Span Shift %FS/°F	0.01%	0.02%	0.02%	External Load	0 to 800 ohms
Maximum Line Pressure	10 PSI			Minimum Supply Voltage (VDC)	13.5 + 0.02 x (Resistance of receiver plus line)
Overpressure	Up to 2 PSI (Range Dependent)			Maximum Supply Voltage (VDC)	30 + 0.004 x (Resistance of receiver plus line)
Long Term Stability	0.5% FS/1 YR			**Pressure Media**	
Environmental Data				Clean air or other similar non-conducting gases.	
Operating Temp. °F (°C)	-20 to +160				
Storage Temp. °F (°C)	-40 to +185				

[1] Units calibrated at nominal 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.

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