Model 264

Very Low Differential Pressure Transducer

With millions of sensors installed world wide, Setra's 264 is the "standard" for low differential pressure measurement in HVAC building automation. The 264 very low differential pressure transducer uses a dead-ended stainless steel welded capacitive sensing element that requires minimal amplification and delivers excellent accuracy and longterm stability in critical installations. The 264 has a 3 year, unconditional warranty, giving the end-user peace of mind well beyond the initial commissioning phase and guarantees performance well after the BAS warranty. The 264 utilizes a robust design that offers brass barbed fittings, and an optional conduit cover for easy and consistent installation.

The Industry "Standard" Pressure Transducer

The 264 has been a consistent and trusted HVAC sensor for over two decades. The reputation of reliability and quality with exceptional delivery time has helped the 264 remain the trusted choice for any low differential pressure applications.

Convenient Installation

The 264 is available in both a wall and conduit versions providing the installer with flexible mounting options. The base mount allows the sensor to be installed anywhere, allowing for a simple installation.

The Setra Sensor

The core technology of the 264 is the all stainless steel capacitive sensing element. Setra designs and manufactures all of their sensing elements resulting in full control over the process and quality of every single sensor. The welded dead-ended capacitive sensors requires minimal amplification and delivers excellent accuracy and longterm stability. Setra's technology has been used in over 8 million installations and has the highest field acceptance rate in the industry.





- Industry Standard
- ±0.25%, ±0.4%, ±1% FS Accuracy
- 3 Year, Unconditional Warranty

Model 264 Features:

- Up to 10 PSI Overpressure (Range Dependent)
- Installation Time Minimized w/ Mounting Options
- Reverse Wiring Protection
- Internal Regulation Permits Use with Unregulated DC Power Supplies
- Fire Retardant Case (UL 94 V-0 Approved)
- CE & RoHS Compliant

Applications:

- Heating, Ventilating and Air Conditioning
- Energy Management Systems
- Variable Air Volume and Fan Control (VAV)
- Environmental Pollution Control
- Lab & Fume Hood Control

Model 264

Very Low Differential Pressure Transducer

ORDERING INFORMATION

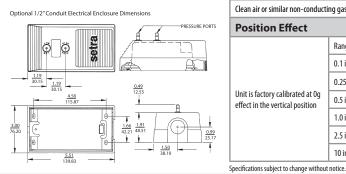
2 6 4 1	_			_				_]
Model	Range Code				Output Electrical Termination		rical Termination	Accuracy ¹		
2641 = Model 264	Un	idirectional	nal Bidirectional		11	4-20 mA	T1	Terminal Strip	С	±1% FS
	0R1WD	0 to 0.1"W.C.	R05WB	±0.05"W.C.	2D	0-5 VDC	A1	1/2 in. Conduit Enclosure	Е	±0.4% FS
	R25WD	0 to 0.25"W.C.	0R1WB	±0.1"W.C.					F	±0.25% FS
	0R5WD	0 to 0.5"W.C.	R25WB	±0.25"W.C.					G	±1% FS
	001WD	0 to 1.0"W.C.	0R5WB	±0.5"W.C.						nal Accuracies E,
	1R5WD	0 to 1.5"W.C.	001WB	±1"W.C.	F, G include Calibration Certificate					
	2R5WD	0 to 2.5"W.C.	1R5WB	±1.5"W.C.						
	003WD	0 to 3.0"W.C.	2R5WB	±2.5"W.C.						
	005WD	0 to 5.0"W.C.	005WB	±5.0"W.C.						
	010WD	0 to 10.0"W.C.	7R5WB	±7.5"W.C.						
	015WD	0 to 15.0"W.C.	010WB	±10.0"W.C.						
	025WD	0 to 25.0"W.C.	025WB	±25.0"W.C.						
	050WD	0 to 50.0"W.C.	050WB	±50.0"W.C.	Ordering Example: 26412RSWD11T1C= Model 264, 0 to 2.5 in. W.C. Range, 4 to 20 mA Output, Terminal Strip Electrical Connection, and \pm 1% Accuracy					
	100WD	0 to 100.0"W.C.						,		

GENERAL SPECIFICATIONS

 9 Span (Full Scale) output factory set to within ± 0.16 mA (± 0.08 mA for optional accuracies).

Code T1 Electrical Termination Dimensions #6 SCREW WIRE CLAMP 3 PLACES 1.08 1.08 1.08 1.187 1.187 1.187 1.502 1.624 1.811 1.1814 1.624 1.811 1.1817

DIMENSIONS



				GENERA	AL SPECIFICATIONS			
Performance Data				Physical Description				
	Standard	Optional		Case	Fire-Retardant Glass Filled Polyester (UL 94 V-0 Approved)			
Accuracy RSS¹ (at constant temp)	±1.0% FS	±0.4% FS	±0.25% FS	Electrical Connection	Screw Terminal Strip			
Non-Linearity, BFSL	±0.96% FS	±0.38% FS	±0.22% FS	Mounting	4 screw holes on removable zinc plated steel base (designed for 2.75" snap track)			
Hysteresis	0.10% FS	0.10% FS	0.10% FS	Pressure Fittings	3/16" O.D. barbed brass for 1/4" push on tubin			
Thermal Effects				Zero and Span Adjustments	Accessible on top of case			
Compensated Range °F (°C) 0 to +150 (-18 to +65)				Weight (approx.)	10 Ounces			
Zero/ Span Shift %FS/100°F(50°C)	±0.033 (±0.	06)		Electrical Data (Voltage)				
Maximum Line Pressure	10 PSI			Circuit	3-Wire (Com, Out, Exc)			
Overpressure	Up to 10 PSI	Range Depende	ent)	Excitation/Output ⁴	9 to 30 VDC / 0 to 5 VDC ^{5,6}			
Long Term Stability 0.5% FS/1 YR				Output Impedance	100 ohms			
Environmental Da	ta			Bidirectional output at zero pressure	2.5 VDC ^{5,6}			
Operating Temperature ³ °F (°C)	0 to +175 (-1	8 to +79)		Electrical Data (Current)				
Storage Temperature °F (°C)				Circuit 2-Wire				
Pressure Media				Output ²	4 to 20 mA ^{8,9}			
Clean air or similar non-conduct	ing gases.			External Load	0 to 800 ohms			
Position Effect				Minimum Supply Voltage (VDC)	9 + 0.02 x (resistance of receiver plus line)			
	Range	%FS/G		Maximum Supply Voltage (VDC)	30 + 0.004 x (resistance of receiver plus line)			
	0.1 in. WC	2.3		Bidirectional output at zero pressure	12 mA ^{8,9}			
	0.25in. WC	1		1 RSS of Non-Linearity, Hysteresis, and Non-Repeatability. 2 Units calibrated at nominal 70°F. Maximum thermal error computed from this datum.				
Unit is factory calibrated at 0g effect in the vertical position	0.5 in. WC	0.5		Operating temperature limits of the electronics only. Pressure media temperatures may be considerably higher. Calibrated into a 50K ohm load, operable into a 5000 ohm load or greater. Pero output factory set to within ±50mV (±25 mV for optional accuracies). Span (Full Scale) output factory set to within ±50mV. (±25 mV for optional accuracies).				
enece in the vertical position	1.0 in. WC	0.3						
	2.5 in. WC	0.2						
	10 in. WC 0.15			7 Calibrated at factory with a 24 VDC loop supply voltage and a 250 ohm load. 8 Zero output factory set to within ± 0.16 mA (± 0.08 mA for optional accuracies).				
				9 Snan (Full Scale) output factory set to within	±0.16mA (±0.00 mA for ontional accuracios)			