



# PRESSURE

## AIR DIFFERENTIAL PRESSURE TRANSMITTER MODEL 265 SERIES

### DESCRIPTION

The **Setra Model 265 differential pressure transducer** provides superior positive and negative pressure sensing required for high efficiency, air-control systems. The **Model 265** is a  $\pm 1.0\%$  Full Scale accuracy unit ( $\pm 0.4\%$ ,  $\pm 0.25\%$  FS optional) with an available snap-on conduit enclosure molded from high impact Lexan®.

### FEATURES

- 1% accuracy improves variable air volume
- Optional accuracies 0.4% or 0.25% FS w/NIST certification
- 24 VDC or 24 VAC excitation
- Signal level 0-5 VDC, 0-10 VDC or 2-Wire 4-20 mA
- UL94-V-0, rated for Plenums
- Fully protected against reverse wiring



Model 265 Series



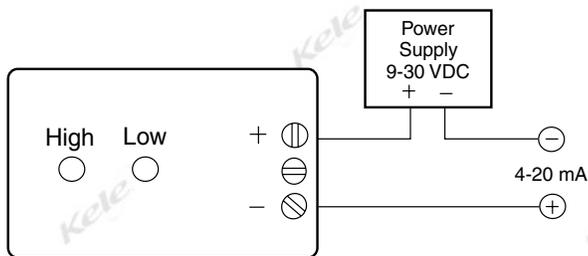
### SPECIFICATIONS

<b>Supply Voltage</b>	9 to 30 VDC @ 20 mA	<b>Pressure</b>	(Proof) -50"WC to +100"WC
<b>Current Output</b>	9 to 30 VDC @ 20 mA	<b>Operating Temperature</b>	0 to 150°F (-18 to 65°C)
<b>Voltage Output</b>		<b>Operating Humidity</b>	10 to 95% Non-condensing
0-5 V	9 to 30 VAC @ 06. VA	<b>Wetted Parts</b>	Stainless steel
0-10 V	9 to 30 VDC @ 25 mA	<b>Media Compatibility</b>	Inert dry air
	12 to 30 VAC @ 0.6 VA	<b>Process Connection</b>	3/16"OD plastic, for 1/4" OD tubing
	12 to 30 VDC @ 25 mA	<b>Wiring Exposed</b>	
<b>Accuracy</b>	$\pm 1\%$ Full scale	<b>Terminals</b>	2-(4-20mA), 3-(Volts)
<b>Optional</b>	.4% and .25% w/NIST certification	<b>Mounting</b>	2, #10 screws
<b>Signal Output</b>	0-5V @ 5K $\Omega$ ,	<b>Orientation</b>	Vertical
	4-20mA @ 750 $\Omega$ (loop powered)	<b>Enclosure Rating</b>	NEMA1 equivalent, plastic UL94-V-0
<b>Sensor Type</b>	Capacitive	<b>Dimensions</b>	3.16"W x 1.89"H x 1.64"D, (8.0 x 4.8 x 4.2 cm)
<b>Adjustments</b>	(Z/S) Zero & Span trim POTs	<b>Weight</b>	0.19 lb (0.09 Kg)
<b>Normal Measurement</b>		<b>Approvals</b>	CE, RoHS
<b>Range</b>	(0 to 100"WC) or $\pm(0.1$ to 50"WC)	<b>Warranty</b>	1 year
<b>Overpressure</b>	(Burst) $\pm 10$ psid (68.95 kPa)		
<b>Max Operating</b>			

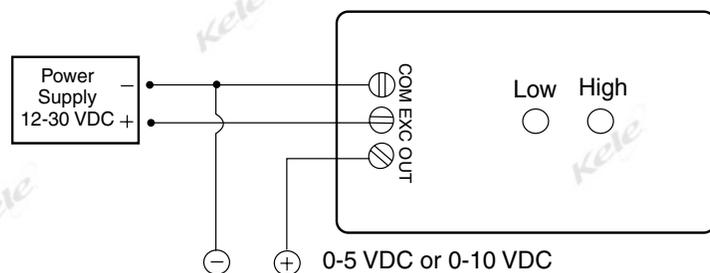
PRESSURE

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### WIRING



4-20 mA Output



Voltage Output



### ORDERING INFORMATION

MODEL	DESCRIPTION
2651	265 Series Low differential pressure transducer
<b>PRESSURE RANGE "W.C."</b>	
<b>Differential</b>	
<b>R25WD</b>	0 to 0.25" WC
<b>0R5WD</b>	0 to 0.50" WC
<b>001WD</b>	0 to 1.0" WC
<b>2R5WD</b>	0 to 2.5" WC
<b>005WD</b>	0 to 5.0" WC
<b>010WD</b>	0 to 10" WC
<b>025WD</b>	0 to 25" WC
<b>050WD</b>	0 to 50" WC
<b>100WD</b>	0 to 100" WC
<b>025LD</b>	0 to 25 PA
<b>050LD</b>	0 to 50 PA
<b>100LD</b>	0 to 100 PA
<b>250LD</b>	0 to 250 PA
<b>500LD</b>	0 to 500 PA
<b>10CLD</b>	0 to 1000 PA
<b>Bidirectional</b>	
<b>0R1WD</b>	± 0.10" WC
<b>R25WB</b>	± 0.25" WC
<b>0R5WB</b>	± 0.50" WC
<b>001WB</b>	± 1.0" WC
<b>2R5WB</b>	± 2.5" WC
<b>005WB</b>	± 5.0" WC
<b>010WB</b>	± 10" WC
<b>025WB</b>	± 25" WC
<b>050WB</b>	± 50" WC
<b>025LB</b>	± 25 PA
<b>050LB</b>	± 50 PA
<b>100LB</b>	± 100 PA
<b>250LB</b>	± 250 PA
<b>500LB</b>	± 500 PA
<b>10CLB</b>	± 1000 PA
<b>SIGNAL OUTPUT</b>	
<b>11</b>	4-20 mA, 24 VDC PWR
<b>2B</b>	0-5 VDC, 24 VDC PWR
<b>AB</b>	0-5 VDC, 24 VAC PWR
<b>AC</b>	0-10 VDC, 24 VAC PWR
<b>ELECTRICAL TERMINATION</b>	
<b>T1</b>	Open terminal strip
<b>A1</b>	1/2" CONDUIT ENCLOSURE
<b>ACCURACY</b>	
<b>C</b>	± 1% FS without cal. certificate
<b>E</b>	± 0.4% FS with NIST certificate
<b>F</b>	± 0.25% FS with NIST certificate
<b>G</b>	± 1% FS with NIST certificate

2651

2R5WD

11

T1

C

**Example: 2651-2R5WD-11-T1-C**  
265 transducer 0 to 2.5" W.C. range, 4-20 mA output, terminal strip electrical connection, and ± 1% accuracy

### RELATED PRODUCTS

<b>T-101</b>	1/4" OD black poly tubing, 1 coil, 250 ft (76 m)
<b>SD-01</b>	Two port surge dampener
<b>RPS</b>	Stainless steel room pressure sensor, 1/4" barb
<b>RPS-I</b>	Ivory plastic room pressure sensor, 1/4" barb
<b>RPS-W</b>	White plastic room pressure sensor, 1/4" barb
<b>A-302-K</b>	4" duct static pressure tip, 1/4" barb
<b>A-301-K</b>	4" duct static pressure tip, 1/4" compression
<b>A-345-K</b>	Flange mounting kit (1 required for each A-301-K or A-302-K)
<b>A-308-K</b>	1/2" duct static pressure tip, 1/4" barb
<b>DCPA-1.2</b>	Power supply, 120 VAC IN to 24 VAC/24 VDC OUT
<b>691-K0A</b>	Control transformer, 120:24 VAC, 40 VA, Class 2
<b>DCP-1.5-W</b>	Power supply, 24 VAC IN to 24 VDC OUT