



PRESSURE

DIFFERENTIAL PRESSURE TRANSMITTER

M264 SERIES

DESCRIPTION

The **Setra Model M264 Differential Pressure Transmitter** is a low-air pressure transmitter able to sense differential pressure in both negative and positive ranges. The **Model M264** incorporates a tensioned stainless steel diaphragm to form a variable capacitor that will produce variation in the output signal. The **Model M264s** durable design will tolerate an overpressure of 10 psig (68.95 kPa) and has an unconditional three-year warranty.

FEATURES

- 4-20 mA output signal
- Voltage output signal optional
- 10 psig (68.70 kPa) overpressure
- Three-year unconditional warranty
- 1% accuracy standard, 0.4% and 0.25% optional
- Reverse wiring protected
- Stainless steel diaphragm
- Ideal for air and non-conducting gases



M264 Series

setra



APPLICATION

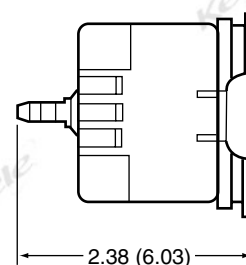
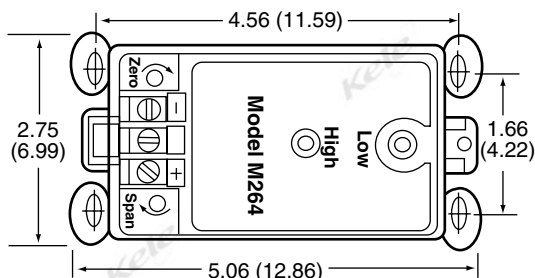
- HVAC building automation
- Variable air volume control
- Environmental pollution control
- Lab and fume hood control
- Filter monitoring
- Medical instrumentation
- Velocity pressure measurement

SPECIFICATIONS

Supply Voltage	9 to 30V DC	Wetted Parts	Stainless steel
Accuracy	± 1% Full scale	Media Compatibility	
Signal Output	0-5V @ 5KΩ, 4-20mA @ 750Ω (loop powered)	Inert	Dry air
Sensor Type	Capacitive	Process Connection	3/16" OD brass, for 1/4" OD tubing
Adjustments	(Z/S) Zero & Span trim POTs	Wiring Exposed	
Normal Measurement		Terminals	2-(4-20mA), 3-(Volts)
Range	(0 to 100"WC) or ±(0.1 to 25"WC)	Mounting	2 or 4, #10 screws
Display		Enclosure Rating	NEMA1 equivalent, plastic UL94-V-0
Overpressure	(Burst) ±10 psid (68.95 kPa)	Dimensions	5.06"W x 2.75"H x 2.38"D, (12.9 x 7 x 6 cm)
Max Operating Pressure	(Proof) -25"WC to +100"WC	Weight	0.55 lb (0.25 Kg)
Operating Temperature	0 to 175°F (-18 to 79°C)	Approvals	CE
Operating Humidity	10 to 95% Non-condensing	Warranty	3 years

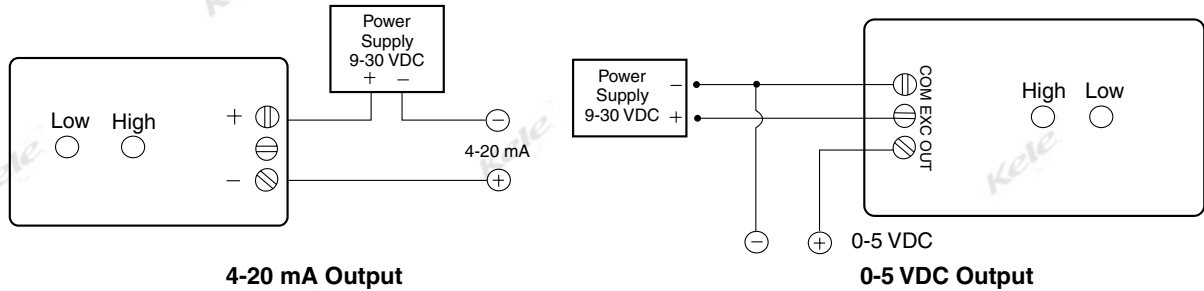
DIMENSIONS

in
(cm)





WIRING



ORDERING INFORMATION

MODEL	DESCRIPTION
M264	Differential pressure transmitter
XXX	RANGE CODE (see Table 1 below)
C	4-20 mA output (stocked at Kele)
V	0-5 VDC output (call Kele for availability)

M264 - 2R5WB - C

Example: M264-2R5WB-C Differential pressure transmitter with a 4-20 mA output proportional to a range of -2.5" to 2.5" W.C. (622 Pa)

† add -E to the end of part number for 0.4% accuracy or add -F to the end of part number for 0.25% accuracy

TABLE 1. SPECIFYING RANGE

RANGE CODE	PRESSURE RANGE		RANGE CODE	BIDIRECTIONAL PRESSURE RANGE	
	"W.C.	Pa		"W.C.	Pa
0R1WD	0-0.10	0-24.9	0R1WB	±0.1	±24.9
R25WD	0-0.25	0-62.2	R25WB	±0.25	±62.2
0R5WD	0-0.50	0-124	0R5WB	±0.5	±124
001WD	0-1.00	0-249	001WB	±1.0	±249
2R5WD	0-2.50	0-622	2R5WB	±2.5	±622
005WD	0-5.00	0-1244	005WB	±5.0	±1244
010WD	0-10.0	0-2488	010WB	±10.0	±2488
025WD	0-25.0	0-6221	025WB	±25.0	±6221
050WD	0-50.0	0-12441			
100WD	0-100.0	0-24883			

RELATED PRODUCTS

264-A1	Conduit housing for M264
A-301-K	Duct static pressure tip, 1/4" compression
A-302-K	Duct static pressure tip, 1/4" barb
A-308-K	Duct static pressure fitting, 1/4" barb
A-345-K	Flange mounting kit (1 required for each A-301-K or A-302-K)
RPS	Stainless steel room pressure sensor, 1/4" barb
RPS-I	Ivory plastic room pressure sensor, 1/4" barb
RPS-W	White plastic room pressure sensor, 1/4" barb
SD-01	Surge dampener
T-101	1/4" OD black poly tubing, 1 coil, 250 ft (76 m)