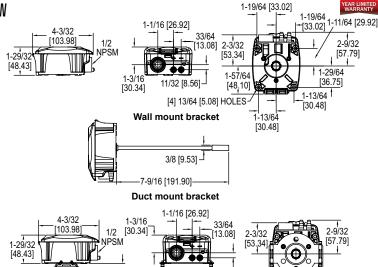
MAGNESENSE® DIFFERENTIAL PRESSURE TRANSMITTER Monitors Differential Pressure, Air Velocity, and Volumetric Flow







11/32 [8.56] 1-43/64 [42.50] 27/64 [10.84] **DIN** mount bracket combustible,compatible gases.

Wetted Materials: Consult factory.

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Accuracy: ±0.5% FSO for all ranges except unidirectional .5 in. @ ±1% FSO.
Stability: ±1% FSO/year.
Temperature Limits: -4 to 158°F (-20

Pressure Limits: Ranges 0 and 1: 3.6 psi max operation, 6 psi burst; Ranges 2, 3 and 4: 6 psi max operation, 6 psi burst. Power Requirements: 10-36 VDC (2-wire), 17-36 VDC or isolated 21.6-33 VAC (3-wire).

Output Signals: 4-20 mA (2-wire); 0-10 V or 0-5 V selectable (3-wire).

Response Time: Instantaneous (default) or 3 s (selectable). **Zero and Span Adjustments:** Digital

Loop Resistance: Current output: 0-1250 Ω max; Voltage output: min. load resistance 1 kΩ.

[88 19]

-3-5/8 [92.08]

Current Consumption: 21 mA max

Electrical Connections: 4-wire removable European style terminal block

for 16 to 26 AWG. **Electrical Entry:** 1/2″ NPS thread.

Cable gland included.

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Display (optional): 4 digit LCD.

Process Connections: 1/8", 3/16", 1/4",
5 mm, and 6 mm ID flexible tubing.

Enclosure Rating: NEMA 4X (IP66), UL
2043 (Plenum), UL94 V-0.

Mounting Orientation: Pressure sensor
measurement unaffected by orientation.

Weight: 8.0 oz (230 g).

Compliance: CE.



BENEFITS/FEATURES

- Easily access the unit's wiring via the flip-lid housing
- Eliminates accidental damage to the unit during installation with the products innovative design shielding the electronics underneath the PCB
 Added security and protection from the tamper-resistant cover
- · Protection from liquids and moisture near the cable egress point with the included liquid tight cable gland fitting
 Reduce installation time with quick and easy wiring via the included a toolless

square root extraction from the transmitter. Additional parameters have been included to expand the square root capability to calculate flow. Dual voltage and milliamp output signals can be used to provide control and equipment output signal verification.

- terminal block Add safety to variety of applications that need to meet municipal and building code standards with UL94 V-0 and plenum ratings
- Supports exacting measurement and control for critical environments through precision accuracy

APPLICATIONS

- High performance building applications for critical environments
 Filter monitoring in air handler units
 Building pressure in pharmaceutical/semiconductor clean rooms
- Duct static pressure in commercial and specialized buildings
 Air velocity/flow in VAV systems

MODEL CHART							
Example	MSXP	-W	1	3	-IN	-LCD	MSXP-W13-IN-LCD
Series	MSXP						Magnesense® differential pressure transmitter
Mounting		W U N					Wall mount Universal (wall or duct) mount DIN rail mount
Direction			1 2				Unidirectional Bidirectional
Range				0 1 2 3 4			.5 in w.c., 125 Pa, 12.5 mm w.c. 1 in w.c., 250 Pa, 25 mm w.c. 5 in w.c., 1250 Pa, 125 mm w.c. 28 in w.c., 7000 Pa, 700 mm w.c. 15 in w.c., 4000 Pa, 400 mm w.c.
Pressure Unit					IN PA MM		Inches water column Pascal Millimeters water column
Options						A481 COM FC FP LCD NIST STX WO	Installer kit, includes 2 plastic static pressure tips and 7 ft (2.1m) of PVC tubing BACnet/Modbus® communications Factory calibration certificate Filtered pickup with barb Liquid crystal display NIST traceable calibration certificate Two (2) plastic static pressure tips LCD cover without LCD display

OPTIONS					
Range	in w.c.	Pa low	Pa high	mm w.c.	
Range 0	0.05	15	60	1.25	
	0.1	25	75	2.5	
	0.25	40	100	5	
	0.5*	50	125*	12*	
Range 1	0.1	25	100	2.5	
	0.25	40	150	5	
	0.5	50	160	10	
	1*	60	250*	25*	
Range 2	1	250	600	25	
	2	300	750	50	
	3	400	1000	100	
	5*	500	1250*	125*	
Range 3	10	1000	3000	250	
	15	1500	4000	350	
	25	2000	5000	500	
	28*	2500	7000*	700*	
Range 4	1	250	1000	25	
	5	300	2000	125	
	10	400	3000	250	
	15*	500	4000*	400*	
*Indicated values are the positive full scale output values per range.					

Note: Ranges indicated in the table are the high end of the set range. All ranges have a low end pressure value of 0.

ACCESSORIES					
Model	Description				
A-480 A-481	Plastic static pressure tip Installer kit, includes 2 plastic static pressure tips and 7 ft (2.1 m) of PVC tubing				
	Replacement display for the Series MSX Pro				

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