



Dwyer

STAY ACCURATE

with the MSX Magnesense® Differential Pressure Transmitters



EASY INSTALLATION

- Simplified model selection reduces setup time
- Wiring slide simplifies installation process
- Internal DIP switches allow for easy field adjustments



MULTIPURPOSE

- 32 unidirectional or bidirectional ranges to meet a broad range of applications
- Configurable as a wall or duct unit



INTELLIGENCE

- Selectable flow or velocity output eliminates the need for multiple devices
- Dual output signal for measurement and control

FOR MORE INFORMATION, CONTACT TECHNICAL SUPPORT
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SERIES MSX | MAGNESENSE® DIFFERENTIAL PRESSURE TRANSMITTER

SPECIFICATIONS

Service: Air and non-combustible, compatible gases.

Wetted Materials: Consult factory.

Accuracy: ±1% FSO.

Stability: ±1% FSO/year.

Temperature Limits: -20 to 70 °C

Pressure Limits: Ranges 0 and 1: 3.6 psi max operation, 6 psi burst; Ranges 2 and 3: 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 push-button.

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

Current Consumption: 21 mA max continuous.

Electrical Connections: 4-wire removable European style terminal block for 16 to 26 AWG.

Electrical Entry: 1/2" NPS thread.

Display (optional): 4 digit LCD.

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

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

Mounting Orientation: Pressure sensor measurement unaffected by orientation.

Weight: 230 g

Agency Approvals: CE.

MODEL CHART

Example	MSX	-W	1	3	-IN	-LCD	MSX-W13-IN-LCD
Series	MSX						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			.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.
Pressure Unit					IN PA MM		Inches water column Pascal Millimeters water column
Options						A481 FC FP GLD LCD NIST STX TT WO	Installer kit, includes 2 plastic static pressure tips and 2.1m of PVC tubing Factory calibration certificate Filtered pickup with barb Liquid tight cable gland fitting Liquid crystal display NIST traceable calibration certificate Two (2) plastic static pressure tips Toolless terminal block LCD cover without LCD display

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