



**Series MS**  
**Magnesense® Differential Pressure Transmitter**  
*Monitors Pressure & Air Velocity*



## Product Specifications

**Service:** Air and non-combustible compatible gases.

**Wetted Materials:** Consult factory.

**Accuracy:** MS-X21: 0.5" w.c. & 0.25" w.c.:  $\pm 1\%$ ; 0.1" w.c.:  $\pm 2\%$ ; 100 Pa & 50 Pa:  $\pm 1\%$ ; 25 Pa:  $\pm 2\%$ . MS-X11: 5" w.c. & 2" w.c.:  $\pm 1\%$ ; 1" w.c.:  $\pm 2\%$ ; 1250 Pa & 500 Pa:  $\pm 1\%$ ; 250 Pa:  $\pm 2\%$  (@ standard conditions).

**Stability:**  $\pm 1\%$  F.S./year.

**Temperature Limits:** 0 to 150°F (-18 to 66°C).

**Pressure Limits:** 1 psi maximum, operation; 10 psi, burst.

**Power Requirements:** 10 to 35 VDC (2-wire); 17 to 36 VDC or isolated 21.6 to 33 VAC (3-wire).

**Output Signals:** 4 to 20 mA (2-wire); 0 to 5 V, 0 to 10 V (3-wire).

**Response Time:** Field adjustable 0.5 to 15 sec. time constant. Provides a 95% response time of 1.5 to 45 seconds.

**Zero & Span Adjustments:** Digital push button.

**Loop Resistance:** Current Output: 0-1250 max. Voltage Output: min. load resistance 1 k.

**Current Consumption:** 40 mA max.

**Display (optional):** 4 digit LCD.

**Electrical Connections:** 4-20 mA, 2-wire: European Style Terminal Block for 16 to 26 AWG. 0-10 V, 3-wire: European Style Terminal Block 16 to 22 AWG.

**Electrical Entry:** 1/2" NPS Thread. Accessory: Cable Gland for 5 to 10 mm diameter cable.

**Process Connection:** 3/16" (5 mm) ID tubing. Maximum OD 9 mm.

**Enclosure Rating:** NEMA 4X (IP66).

**Mounting Orientation:** Diaphragm in vertical position.

**Weight:** 8.0 oz (230 g).

**Agency Approvals:** CE.