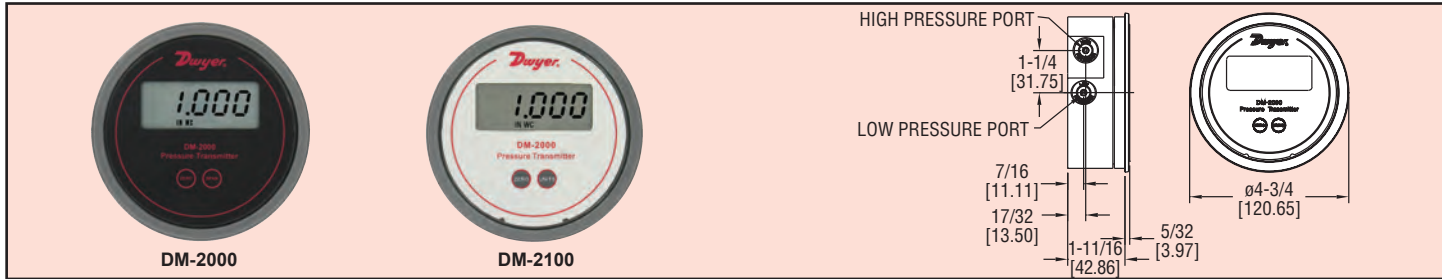




Series  
DM-2000

# Differential Pressure Transmitter

Same Size as Standard Magnehelic® Differential Pressure Gage



The **Dwyer Series DM-2000 Differential Pressure Transmitter** senses the pressure of air and compatible gases and sends a standard 4-20 mA output signal. The DM-2000 enclosure is specifically designed to mount in the same diameter cutout as a standard Magnehelic® gage. A wide range of models are available factory calibrated to specific ranges.

Pressure connections are inherent to the glass filled plastic molded enclosure making installation quick and easy. Digital push-button zero simplifies calibration over typical turn-potentiometers. An optional 3.5 digit LCD shows process and engineering units. A single push button allows field selection of 4 to 6 engineering units depending on range.

## APPLICATION

Differential pressure across filters

## OPTIONS

Model	Range	Pa	mm wc	mBar	kPa	psi
DM-2001-LCD	.100 in wc	24.9	2.54	.249		
DM-2002-LCD	.250 in wc	62.2	6.35	.622		
DM-2003-LCD	.500 in wc	124.3	12.70	1.243	.124	
DM-2004-LCD	1.000 in wc	249	25.4	2.49	.249	
DM-2005-LCD	2.00 in wc	497	50.8	4.97	.497	
DM-2006-LCD	3.00 in wc	746	76.2	7.46	.746	.108
DM-2007-LCD	5.00 in wc	1243	127.0	12.43	1.243	.180
DM-2012-LCD	.250-0-.250 in wc	62.2-0-62.2	3.65-0-6.35	.622-0-.622		
DM-2013-LCD	.500-0-.500 in wc	124.3-0-124.3	12.70-0-12.70	1.243-0-1.243		
DM-2019-LCD	-0.05-0-.200 in wc	49.8	5.08	.498		

For NIST traceable calibration certificate, add suffix -NIST to model numbers.

Example: DM-2002-LCD-NIST.

## SPECIFICATIONS

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

**Wetted Materials:** Consult factory.

**Accuracy:** ±1% FS at 70°F.

**Stability:** ±1% FS/yr.

**Temperature Limits:** 20 to 120°F (-6.67 to 48.9°C).

**Pressure Limits:** 10 psig (0.69 bar).

**Thermal Effect:** ±0.055% FS/°F (0.099% F.S./°C).

**Power Requirements:** 10-35 VDC (2 wire).

## ACCESSORIES

**A-299,** Surface Mounting Bracket

**A-300,** Flat Flush Mounting Bracket

**A-302F-A,** 303 SS Static Pressure Tip with mounting flange.

For 3/16" ID rubber or plastic tubing. 4" insertion depth.

Includes mounting screws

**A-320-A,** Instrument Enclosure

**A-489,** 4" Straight Static Pressure Tip with Flange

**SCD-PS,** 100 to 240 VAC/VDC to 24 VDC Power Supply

**Output Signal:** 4 to 20 mA.

**Zero and Span Adjustments:** Digital push-button zero and span.

**Loop Resistance:** DC: 0-1250 Ω maximum.

**Current Consumption:** DC: 38 mA max.

**Electrical Connections:** Screw-type terminal block.

**Display:** 3.5 digit LCD, 0.7" H.

**Process Connections:** 1/8" ID tubing.

**Mounting Orientation:** Vertical.

**Weight:** 4.8 oz (136 g).

See page 567 for process tubing options.