

## SERIES DM-2000 | DIFFERENTIAL PRESSURE TRANSMITTER

### FEATURES/BENEFITS

- Zero and span controls provide easy calibration checks and shorter installation time to get device running and monitoring
- Tamper-proof button configuration prevents accidental setting changes
- Quick response to pressure changes means no delay in signaling and alerting to critical situations
- Easy to read LCD display provides immediate local alerts allowing corrective action to be taken quicker to eliminate the problem from becoming widespread
- Same size as Magnehelic® Gage simplifies field upgrade to digital pressure gage by reducing installation steps
- 4-20 mA output allows for integration into Building Automation Systems



### APPLICATIONS

- Differential pressure across filters
- Fan control
- Static pressures in ducts or buildings

### DESCRIPTION

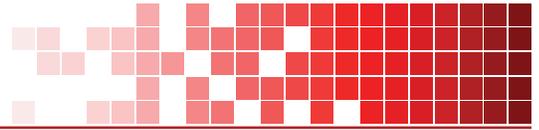
The Dwyer **SERIES DM-2000** Differential Pressure Transmitter senses the pressure of air and compatible gases and sends a standard 4-20 mA output signal. The DM-2000 housing is specifically designed to mount in the same diameter cutout as a standard Magnehelic® Gage. A wide range of models are available factory calibrated to specific ranges. Pressure connections are inherent to the glass filled plastic molded housing making installation quick and easy. Digital push-button zero and span simplify 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.



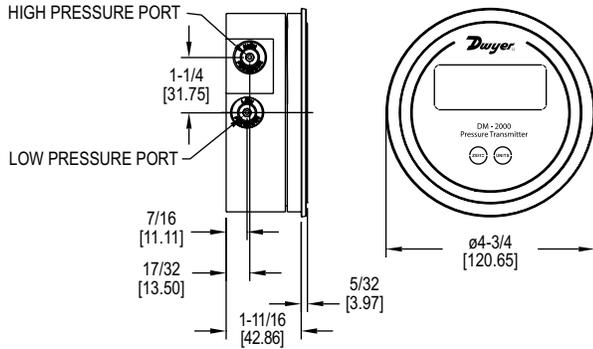
### SPECIFICATIONS

<b>Service</b>	Air and non-combustible, compatible gases.
<b>Wetted Materials</b>	Consult factory.
<b>Accuracy</b>	±1% FS at 70°F.
<b>Stability</b>	±1% FS/yr.
<b>Temperature Limits</b>	20 to 120°F (-6.67 to 48.9°C).
<b>Pressure Limits</b>	10 psig (0.69 bar).
<b>Thermal Effect</b>	±0.055% FS/°F (0.099% FS/°C).
<b>Power Requirements</b>	10 to 35 VDC (2 wire).
<b>Output Signal</b>	4 to 20 mA.
<b>Zero and Span Adjustments</b>	Digital push-button zero and span.
<b>Loop Resistance</b>	DC: 0 to 1250 Ω maximum.
<b>Current Consumption</b>	DC: 38 mA maximum.
<b>Electrical Connections</b>	Screw-type terminal block.
<b>Display</b>	3.5 digit LCD, 0.7" height.
<b>Process Connections</b>	1/8" I.D. tubing.
<b>Mounting Orientation</b>	Vertical.
<b>Weight</b>	4.8 oz (136 g).

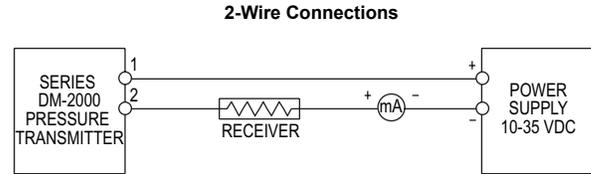




## DIMENSIONS

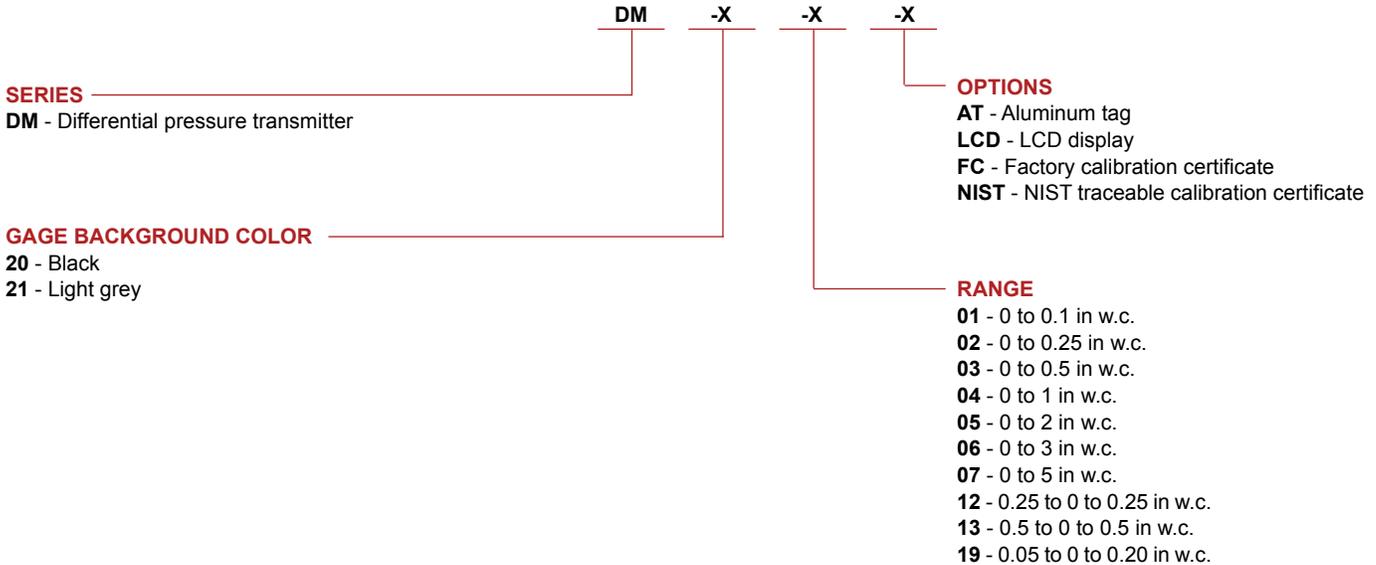


## WIRING DIAGRAM



## HOW TO ORDER

Use the **bold** characters from the chart below to construct a product code.



## ACCESSORIES

Model	Description
<b>A-300</b>	Flat aluminum bracket for flush mounting Magnehelic® gage. 6.8" x 6.0" x .1", .35 lb
<b>A-464</b>	Flush mount kit for Magnehelic® gage
<b>A-320-A</b>	Enclosure for Series 2000 Magnehelic® Gages, DM-2000 Differential Pressure Transmitter, 4-9/16" (115.89 mm)
<b>A-489</b>	4" 303 SS straight static pressure tip with flange
<b>SCD-PS</b>	100 to 240 VAC/VDC to 24 VDC power supply
<b>A-299</b>	Mounting bracket flush mount Magnehelic® gage in bracket. Bracket is then surface mounted. Steel with gray hammertone epoxy finish. 6.3" x 7.7" x 4.0", 1.30 lb
<b>A-302F-A</b>	Mounting bracket flush mount Magnehelic® gage in bracket. Bracket is then surface mounted. Steel with gray hammertone epoxy finish. 6.3" x 7.7" x 4.0", 1.30 lb

Important Notice: Dwyer Instruments, Inc. reserves the right to make changes to or discontinue any product or service identified in this publication without notice. Dwyer advises its customers to obtain the latest version of the relevant information to verify, before placing any orders, that the information being relied upon is current.

