



## 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

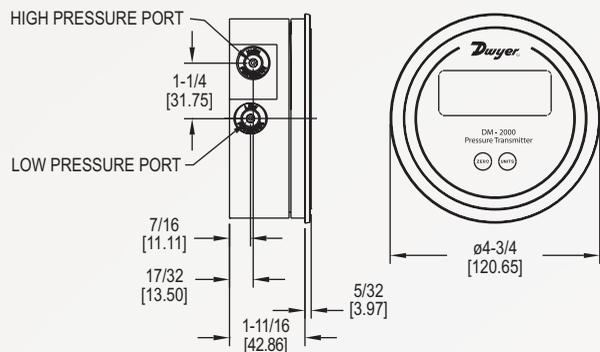
### DESCRIPTION

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.

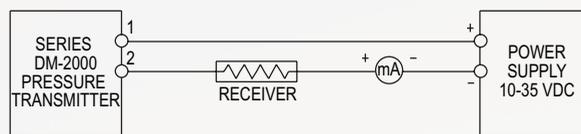
### SPECIFICATIONS

<b>Service</b>	Air and non-combustible, compatible gases.
<b>Wetted Materials</b>	Consult factory.
<b>Accuracy</b>	±1% FS, ±30 Pa model ±4% 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), ±30 Pa model ±0.13% FS/°F (0.234% FS/°C).
<b>Power Requirements</b>	10-35 VDC (2 wire).
<b>Output Signal</b>	4-20 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



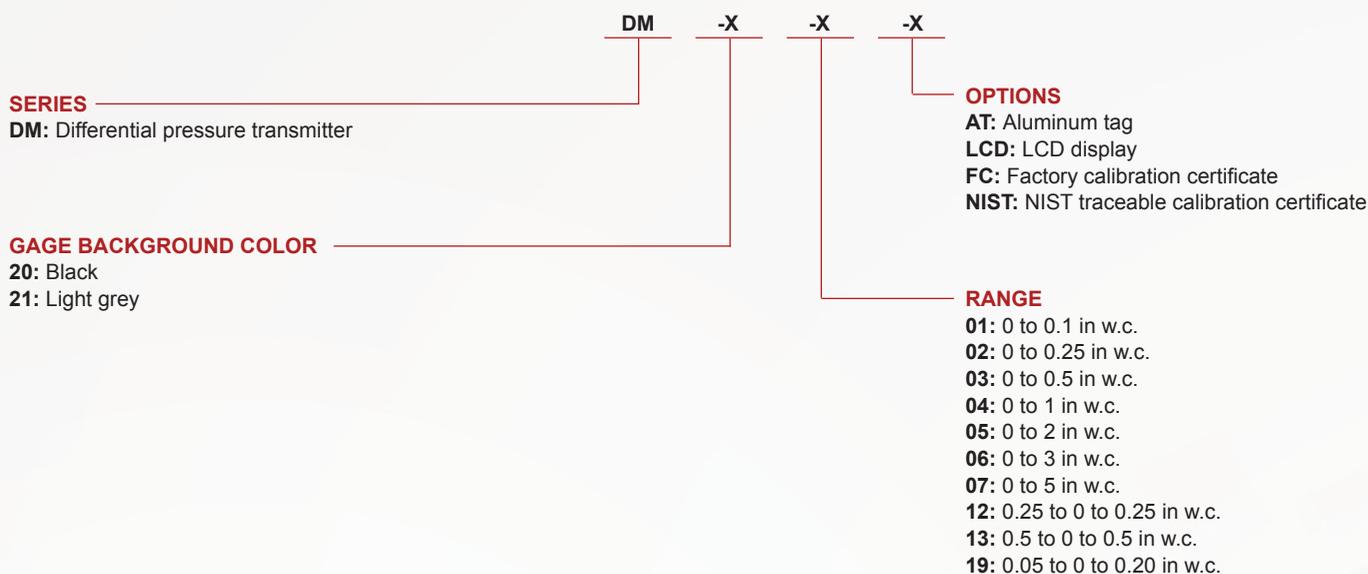
## WIRING DIAGRAM



2-wire connections

## 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>	100-240 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

ORDER ONLINE TODAY!

[dwyer-inst.com/Product/SeriesDM-2000](http://dwyer-inst.com/Product/SeriesDM-2000)



DWYER INSTRUMENTS, INC.