



## SERIES DM | DIGIMAG® DIFFERENTIAL PRESSURE TRANSMITTER



### BENEFITS/FEATURES

- Reduced installation time through zero and span controls that provides quick and easy calibration
- Fast and easy setup and calibration with push-button zero and span controls
- Immediate corrective action can be taken by local alerts via the easy-to-read LCD display
- Reduces upgrade installation costs and simplifies field upgrade from a Magnehelic® gage, as both use the same diameter cutout

### APPLICATIONS

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

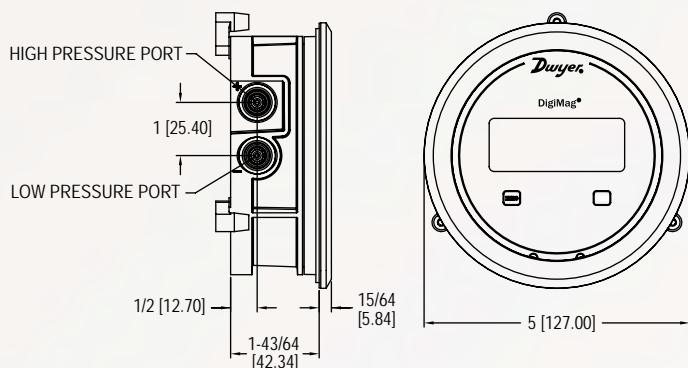
### DESCRIPTION

The **Series DM DigiMag® Differential Pressure Transmitter** senses the pressure of air and compatible gases and sends a standard 4-20 mA output signal. The DM 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. The polycarbonate molded housing features integral pressure connections, which reduces installation time. Digital push-button zero and span simplify calibration over typical turn-potentiometers. A single push-button allows field selection of 4 to 6 engineering units, depending on the range.

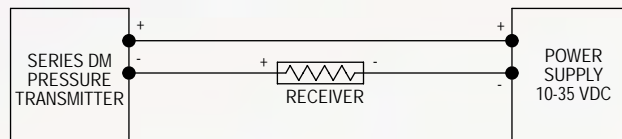
### SPECIFICATIONS

<b>Service</b>	Air and non-combustible, compatible gases.
<b>Wetted Materials</b>	Consult factory.
<b>Housing Material</b>	Polycarbonate.
<b>Accuracy</b>	±1% FSO for all ranges except 0.25 in w.c. @ ±2% FSO, and ranges at or below ±0.1 in w.c. @ ±4% FSO.
<b>Stability</b>	< ±1%/year FSO.
<b>Pressure Limits</b>	Ranges > 1 in w.c.: 6 psi max operation, 6 psi burst; Ranges ≤ 1 in w.c.: 3.6 psi max operation, 6 psi burst.
<b>Temperature Limits</b>	-4 to 158°F (-20 to 70°C).
<b>Thermal Effect</b>	0.036% FS/°C (0.02% FS/°F).
<b>Power Requirements</b>	10-35 VDC (2-wire).
<b>Output Signal</b>	4-20 mA (2-wire).
<b>Zero and Span Adjustments</b>	Push-button.
<b>Loop Resistance</b>	0 to 1250 Ω max.
<b>Current Consumption</b>	21 mA max.
<b>Electrical Connections</b>	Screw-type terminals.
<b>Process Connections</b>	Male ports on side for 1/8", 3/16", 1/4", 5 mm, 6 mm ID flexible tubing.
<b>Enclosure Rating</b>	NEMA 4X (IP66).
<b>Mounting Orientation</b>	Not sensitive to position.
<b>Size</b>	5" OD (127 mm) x 1.9" (48 mm) deep.
<b>Weight</b>	7.04 oz (200 g).
<b>Compliance</b>	CE.

## DIMENSIONS



## WIRING DIAGRAM



## HOW TO ORDER

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

		DM	-202	-NIST			
<b>SERIES</b>	_____				<b>OPTIONS</b>		
<b>DM:</b> DigiMag® differential pressure transmitter					<b>-FC:</b> Factory calibration certificate <b>-LG:</b> Light grey overlay <b>-NIST:</b> NIST traceable calibration certificate <b>-SS:</b> 304 brushed SS bezel		
<b>ACCURACY</b> _____							
<b>001:</b> 0.1 in w.c.							
<b>002:</b> 0.25 in w.c.							
<b>003:</b> 0.5 in w.c.							
<b>004:</b> 1 in w.c.							
<b>005:</b> 2 in w.c.							
<b>007:</b> 3 in w.c.							
<b>008:</b> 5 in w.c.							
<b>019:</b> -0.05-0-0.20 in w.c.							
<b>201:</b> ±0.1 in w.c.							
<b>202:</b> ±0.25 in w.c.							
<b>203:</b> ±0.5 in w.c.							
<b>052:</b> 30 Pa							
<b>053:</b> 60 Pa							
<b>056:</b> 250 Pa							
<b>059:</b> 1250 Pa							
<b>252:</b> ±30 Pa							
<b>253:</b> ±60 Pa							
<b>256:</b> ±250 Pa							
<b>259:</b> ±1250 Pa							
<b>082:</b> 6 mm w.c.							
<b>282:</b> ±6 mm w.c.							

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