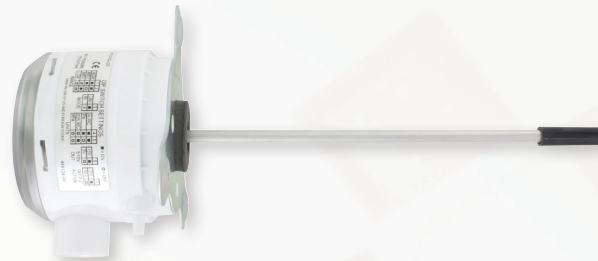




## SERIES MS | MAGNESENSE® DIFFERENTIAL PRESSURE TRANSMITTER



Wall mount



Duct mount

### FEATURES/BENEFITS

- Field upgradeable LCD-No need to order two separate transmitters
- Field selectable ranges in metric or English
- Digital push button zero and span
- Adjustable digital dampening
- Field selectable air velocity mode
- Ability to select a square root output for use with pitot tubes and other similar flow sensors

### APPLICATIONS

- Pressure and flow
- Monitoring air velocity
- Fans and blowers

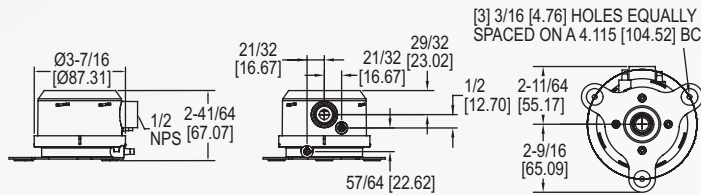
### DESCRIPTION

The **Series MS Magnesense® Differential Pressure Transmitter** is an extremely versatile transmitter for monitoring pressure and air velocity. Along with the described features, the patented magnetic sensing technology provides exceptional long term performance and enables the Magnesense® Differential Pressure Transmitter to be the single solution for your pressure and flow applications.

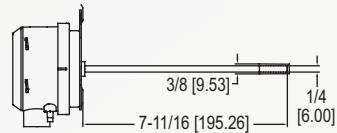
### SPECIFICATIONS

<b>Service</b>	Air and non-combustible compatible gases.
<b>Wetted Materials</b>	Consult factory.
<b>Accuracy</b>	±1% for 0.25" (50 Pa), 0.5" (100 Pa), 2" (500 Pa), 5" (1250 Pa), 10" (2 kPa), 15" (3 kPa), 25" (5 kPa); ±2% for 0.1" (25 Pa), 1" (250 Pa) and all bidirectional ranges.
<b>Stability</b>	±1% FS/year.
<b>Temperature Limits</b>	0 to 150°F (-18 to 66°C).
<b>Pressure Limits</b>	1 psi maximum, operation; 10 psi, burst.
<b>Power Requirements</b>	10-35 VDC (2-wire); 17-36 VDC or isolated 21.6-33 VAC (3-wire).
<b>Response Time</b>	300 ms.
<b>Zero &amp; Span Adjustments</b>	Digital push button.
<b>Loop Resistance</b>	Current output: 0-1250 Ω max; Voltage output: min. load resistance 1 kΩ.
<b>Current Consumption</b>	40 mA max.
<b>Display (optional)</b>	4 digit LCD.
<b>Electrical Connections</b>	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.
<b>Electrical Entry</b>	1/2" NPS thread. Accessory: Cable gland for 5 to 10 mm diameter cable.
<b>Process Connection</b>	3/16" (5 mm) ID tubing. Maximum OD 9 mm.
<b>Enclosure Rating</b>	NEMA 4X (IP66).
<b>Mounting Orientation</b>	Diaphragm in vertical position.
<b>Weight</b>	8.0 oz (230 g).
<b>Agency Approvals</b>	CE.

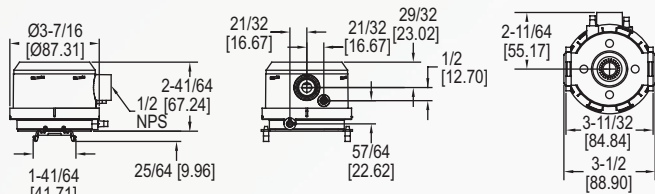
## DIMENSIONS



Standard MS with optional LCD

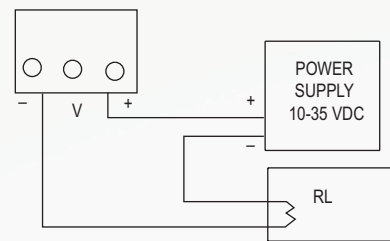


MS with optional LCD and static probe

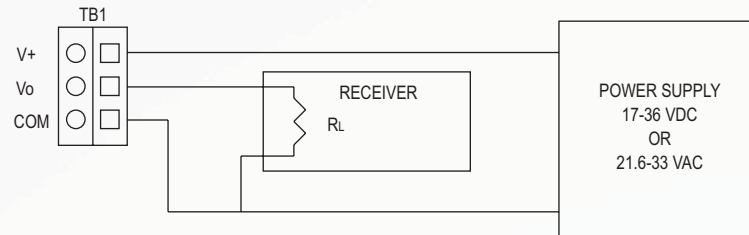


DIN mount bracket

## WIRING DIAGRAM



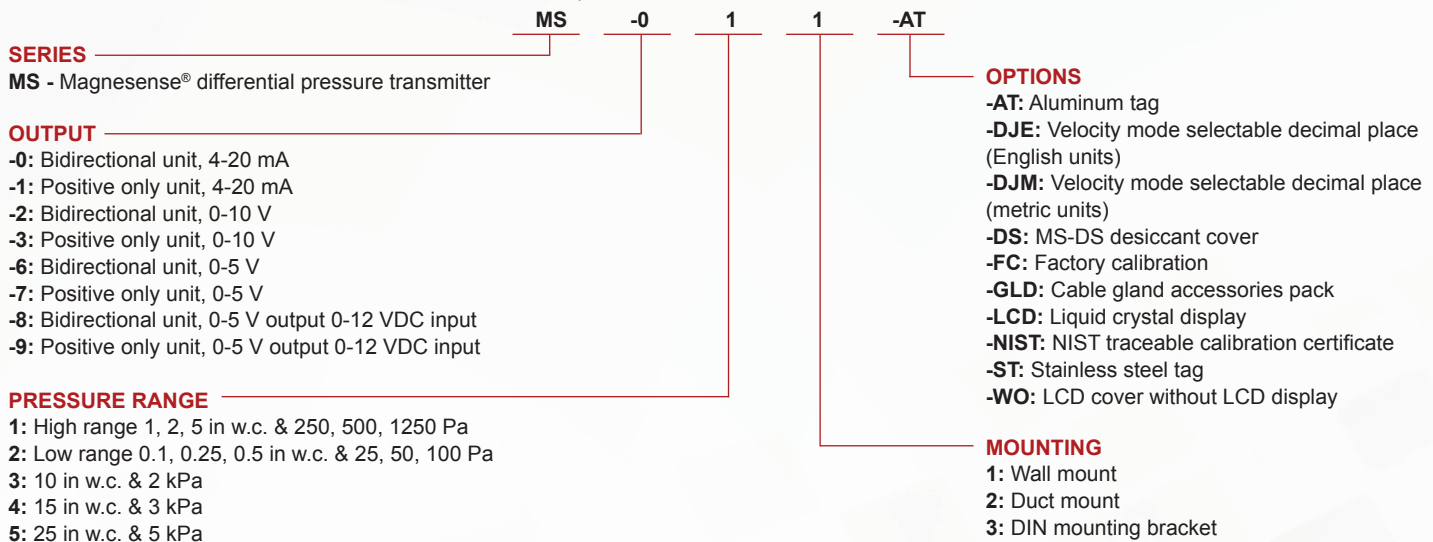
2-wire operation (current output)



3-wire operation (voltage output)

## HOW TO ORDER

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



## ACCESSORIES

Model	Description
<b>A-151</b>	Cable gland for 5 to 10 mm cable
<b>A-435</b>	Field upgradeable LCD
<b>A-480</b>	Plastic static pressure tip
<b>A-481</b>	Installer kit. Includes 2 plastic static pressure tips and 7 ft (2.1m) of PVC tubing
<b>A-489</b>	4" straight static pressure tip with flange
<b>A-302F-A</b>	303 SS static pressure tip with mounting flange. For 3/16" ID rubber or plastic tubing. 4" insertion depth. Includes mounting screws
<b>SCD-PS</b>	100-240 VAC/VDC to 24 VDC power supply

## ORDER ONLINE TODAY!

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



DWYER INSTRUMENTS, INC.