

SERIES 616W | DIFFERENTIAL PRESSURE TRANSMITTER

FEATURES/BENEFITS

- NEMA 4X rated enclosure provides protection in harsh environments permitting outdoor monitoring or in areas where dust and particulate matter exists
- Easy to read LCD display provides immediate local alerts allowing corrective action to be taken quicker to eliminate the problem from becoming widespread
- Zero and span controls provides easy calibration checks and shorter installation time to get device running and monitoring

APPLICATIONS

- Dust collection
- Outdoor HVAC
- Roof-top equipment

DESCRIPTION

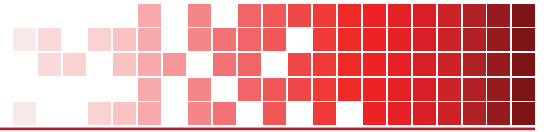
Positive, negative and differential pressures can be measured within a full span accuracy of ± 0.25 with the **SERIES 616W** Differential Pressure Transmitter. Units are enclosed in a polycarbonate case, rated NEMA 4X (IP66) and operate by sensing the pressure of air and compatible gases then sending a standard 4-20 mA output signal. Design enables operation in 2-wire current loops. A wide range of models are available factory calibrated to specific ranges. The span and zero controls are for use when checking calibration. They are not intended for re-ranging to a significantly different span. The LCD display allows local indication of pressure.



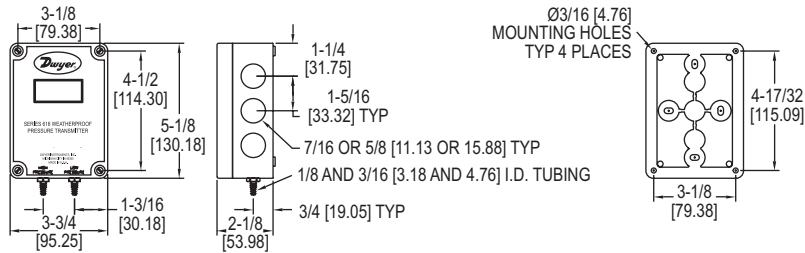
SPECIFICATIONS

Service	Air and non-combustible, compatible gases.
Wetted Materials	Consult factory.
Accuracy	$\pm 0.25\%$ FS @ 77°F (25°C), display accuracy $\pm 0.5\%$.
Stability	$\pm 1\%$ FS/yr.
Temperature Limits	14 to 185°F (-10 to 85°C).
Pressure Limits	See model chart on catalog page.
Power Requirements	10 to 35 VDC (2-wire), 17 to 36 VDC, or isolated 21.6 to 33 VAC (3-wire).
Zero and Span Adjustments	Push buttons.
Loop Resistance	Current output: 0 to 1250 Ω max; Voltage output: load resistance 1 k Ω (min).
Current Consumption	40 mA (max).
Electrical Connections	3-wire removable European style terminal block for 16 to 26 AWG.
Process Connections	Barbed, dual size to fit 1/8" and 3/16" (3.12 and 4.76 mm) ID rubber or vinyl tubing.
Enclosure Rating	NEMAX 4X (IP66).
Mounting Orientation	Any orientation.
Weight	Without LCD 8.8 oz (249 g); with LCD 9.6 oz (272 g).
Agency Approvals	CE.

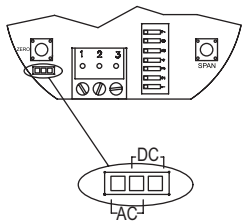




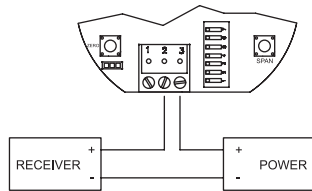
DIMENSIONS



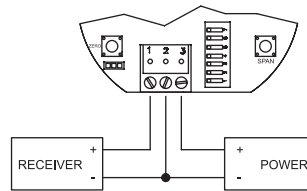
WIRING DIAGRAM



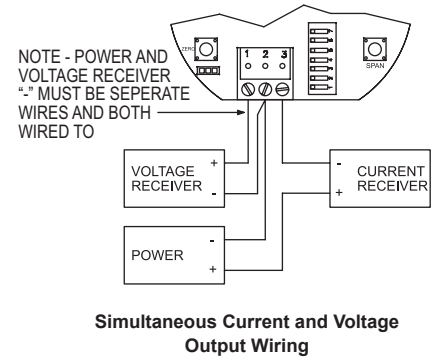
AC/DC Jumper



Current Output Wiring



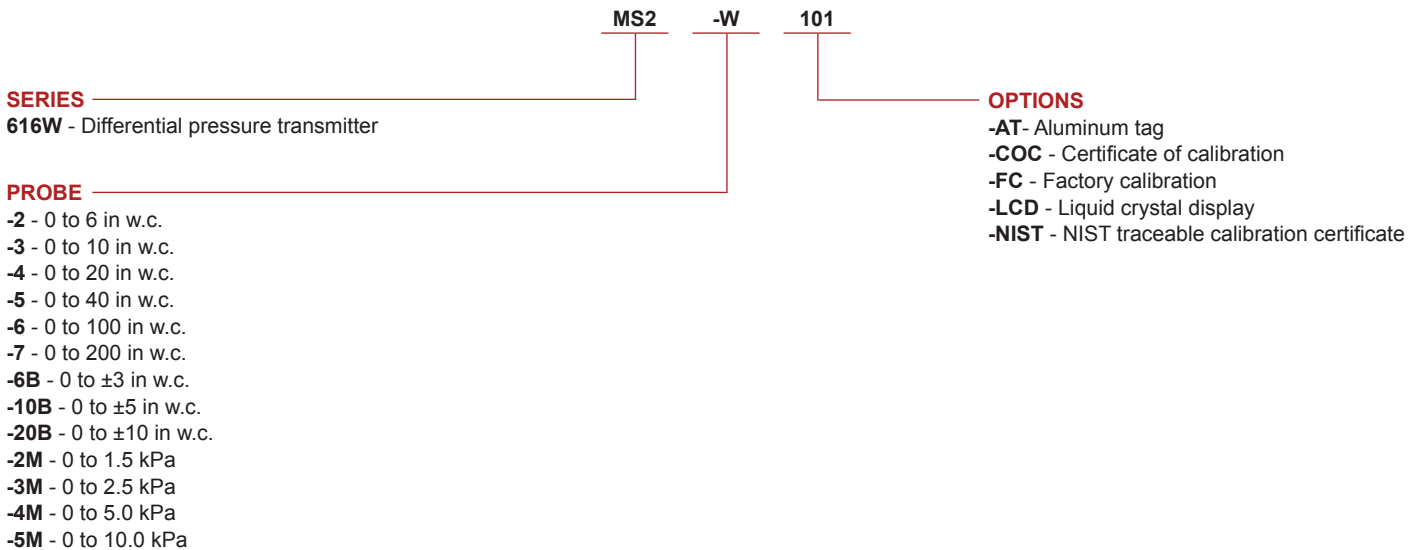
Voltage Output Wiring



Simultaneous Current and Voltage Output Wiring

HOW TO ORDER

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



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