

## 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

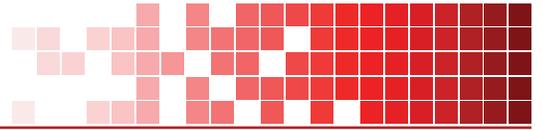
Positive, negative and differential pressures can be measured within a full span accuracy of  $\pm 0.25$  with the **SERIES 616W** Differential Pressure Transmitter. Units are enclosed in a polycarbonate case, rated NEMA 4X (IP66) and operate by sensing the pressure of air and compatible gases then sending 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.



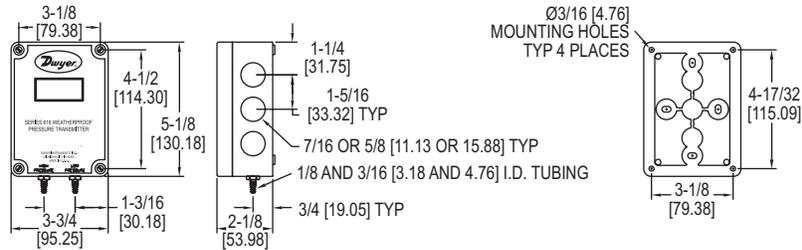
### SPECIFICATIONS

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

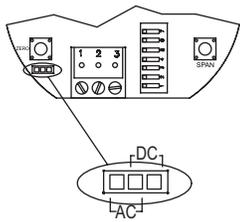




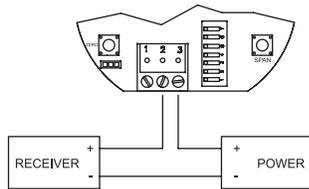
## DIMENSIONS



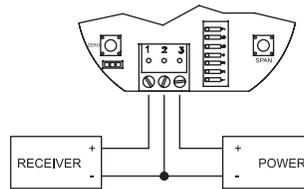
## WIRING DIAGRAM



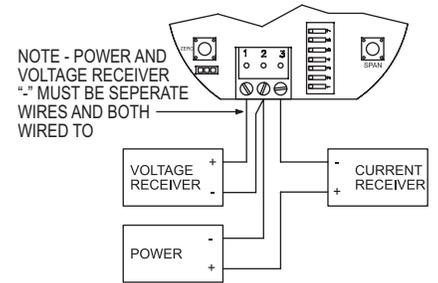
AC/DC Jumper



Current Output Wiring



Voltage Output Wiring

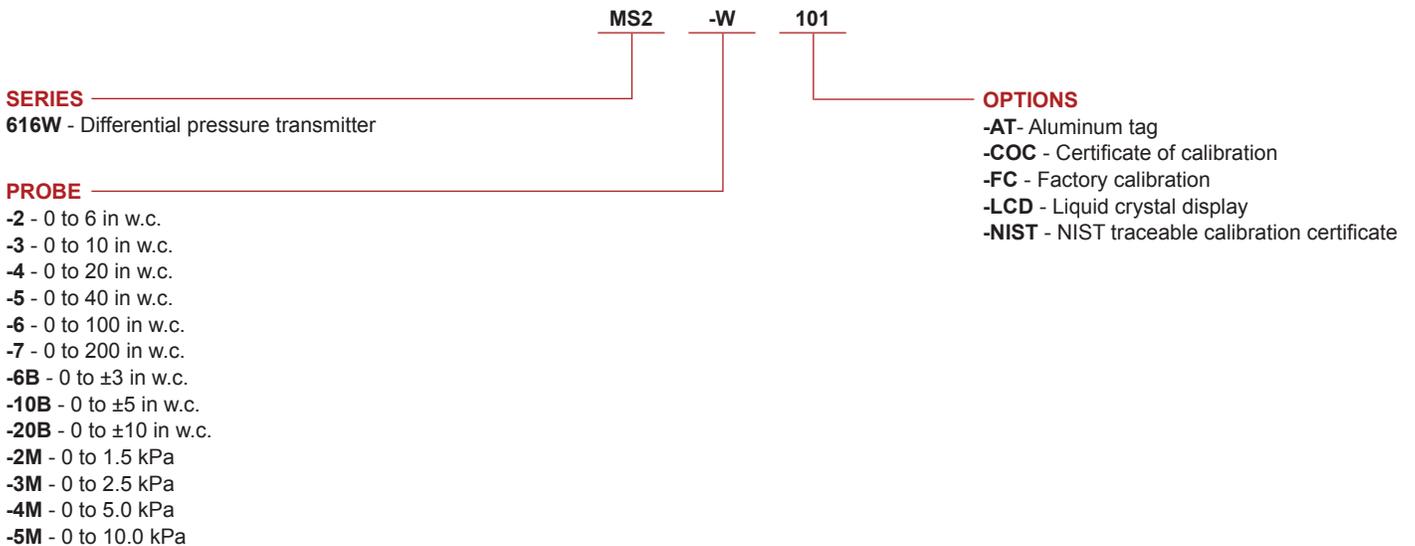


Simultaneous Current and Voltage Output Wiring

NOTE - POWER AND VOLTAGE RECEIVER "+" MUST BE SEPERATE WIRES AND BOTH WIRED TO

## HOW TO ORDER

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



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