Dwyer SERIES 616W

DIFFERENTIAL PRESSURE TRANSMITTER
NEMA 4X Enclosure, 0.25% FS Accuracy

CALIBRATION SERVICES AVAILABLE

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.

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 provide easy calibration checks and shorter installation time to get device running and monitoring.
• Process connections can be made by hose, 1/8˝ and 3/16˝ (3.12 and 4.76 mm) ID rubber or vinyl tubing.

APPLICATIONS
• Dust collection
• Outdoor HVAC
• Roof-top equipment

MODEL CHART

<table>
<thead>
<tr>
<th>Model</th>
<th>Range</th>
<th>Max. Pressure</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>616W-2-LCD</td>
<td>0 to 6 in w.c.</td>
<td>10 psig</td>
<td>$338.50</td>
</tr>
<tr>
<td>616W-3-LCD</td>
<td>0 to 10 in w.c.</td>
<td>10 psig</td>
<td>$338.50</td>
</tr>
<tr>
<td>616W-4-LCD</td>
<td>0 to 20 in w.c.</td>
<td>20 psig</td>
<td>$338.50</td>
</tr>
<tr>
<td>616W-5-LCD</td>
<td>0 to 40 in w.c.</td>
<td>20 psig</td>
<td>$338.50</td>
</tr>
<tr>
<td>616W-6-LCD</td>
<td>0 to 100 in w.c.</td>
<td>15 psig</td>
<td>$338.50</td>
</tr>
<tr>
<td>616W-7-LCD</td>
<td>0 to 200 in w.c.</td>
<td>45 psig</td>
<td>$338.50</td>
</tr>
<tr>
<td>616W-8-LCD</td>
<td>0 to 1 in in w.c.</td>
<td>10 psig</td>
<td>$338.50</td>
</tr>
<tr>
<td>616W-3M-LCD</td>
<td>0 to 2.5 kPa</td>
<td>68.9 kPa</td>
<td>$338.50</td>
</tr>
</tbody>
</table>

Note: Units with “M” in the model number are metric units.


SPECIFICATIONS
• Service: Air and non-combustible, compatible gases.
• Wetted Materials: Consult factory.
• Accuracy: ±0.25% FS @ 77°F (25°C), display accuracy ±0.5%.
• Stability: ±1% FS/yr.
• Temperature Limits: 14 to 185°F (-10 to 85°C).
• Pressure Limits: See chart.
• Power Requirements: 10-35 VDC (2-wire), 17-36 VDC, or isolated 21.6-33 VAC (3-wire).
• Output Signal: 4-20 mA (2-wire), 0-10 VDC, or 0-5 VDC (3-wire).

OPTIONS
To order add suffix: Description Price
- -NIST NIST traceable calibration certificate $139.00

Example: 616WL-3-LCD-NIST

Items are net priced and are not subject to any discount.

SERIES 616WL

DIFFERENTIAL PRESSURE TRANSMITTER
Low Ranges Down to 0.25 in w.c. (60 Pa), NEMA 4X Housing (IP66)

CALIBRATION SERVICES AVAILABLE

The Series 616WL Differential Pressure Transmitter sends very low pressures of air and non-combustible, compatible gases and sends a standard 4-20 mA output signal. All models, including those featuring the 3 digit LCD digital read-out, are factory calibrated to specific ranges as listed in the chart below. Positive, negative and differential pressures can be measured over a full span within a 2% accuracy of ±0.5%. This weatherproof unit is enclosed in a polycarbonate case, designed to meet (IP66/ NEMA 4X). Internal digital push-button zero and span allow for quick and simple field calibration.

SPECIFICATIONS
• Service: Air and non-combustible, compatible gases.
• Wetted Materials: Consult factory.
• Accuracy: ±0.25% FS, ±0.5% FS at 77°F, ±1% FS/yr.
• Stability: ±1% FS/yr.
• Temperature Limits: 0 to 140°F (-17.8 to 60°C).
• Compensated Temperature Limits: 20 to 120°F (-6.67 to 48.9°C).
• Pressure Limits: See chart.
• Thermal Effect: ±0.02% FS°F (0.036% FS°C).
• Power Requirements: 12-30 VDC.
• Output Signal: 4-20 mA.

OPTIONS
To order add suffix: Description Price
- -NIST NIST traceable calibration certificate $139.00

Example: 616WL-1-LCD-NIST

Items are net priced and are not subject to any discount.

OPTIONS
To order add suffix: Description Price
- -NIST NIST traceable calibration certificate $139.00

Example: 616WL-1-LCD-NIST

Items are net priced and are not subject to any discount.

Series 616WL Differential Pressure Transmitter

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