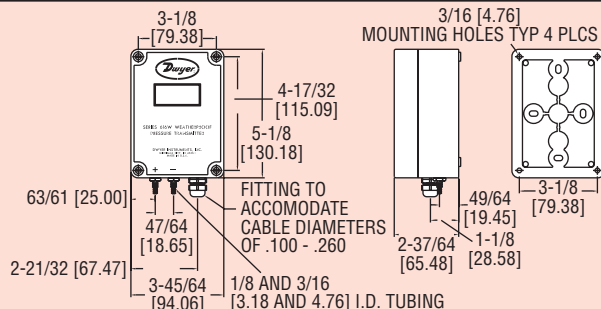




Series
616WL

Differential Pressure Transmitter

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



The Series 616WL Differential Pressure Transmitter senses 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 within a full span accuracy of $\pm 0.50\%$. 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.

Model	Range	Max. Press.
616WL-2-LCD	0-0.25 in w.c.	2 psig
616WL-4-LCD	0-1 in w.c.	4 psig
616WL-12-LCD	0.25-0-0.25 in w.c.	2 psig
616WL-14-LCD	1-0-1 in w.c.	4 psig
616WL-22-LCD	0-60 Pa	2 psig
616WL-32-LCD	60-0-60 Pa	2 psig
616WL-25-LCD	0-250 Pa	4 psig
616WL-35-LCD	250-0-250 Pa	4 psig

OPTION

For NIST traceable calibration certificate, add suffix -NIST to model numbers.
Example: 616WL-4-LCD-NIST.

SPECIFICATIONS

Service: Air and non-combustible, compatible gases.

Wetted Materials: Consult factory.

Accuracy: $\pm 0.50\%$ FS, display accuracy $\pm 0.5\%$.

Stability: $\pm 1\%$ 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: $\pm 0.02\%$ FS/°F (0.036% FS/°C).

Power Requirements: 12-30 VDC (2-wire).

Output Signal: 4 to 20 mA.

Zero and Span Adjustments: Digital, push button adj.

Loop Resistance: DC; 0-900 Ω max.

Current Consumption: DC; 38 mA max.

Electrical Connections: Screw-type terminal block.

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: NEMA 4X (IP66).

Mounting Orientation: Vertical, consult factory for other position orientations.

Weight: Without LCD 17 oz (482 g); with LCD 18 oz (510 g).

Agency Approvals: CE.

Process Tubing Options: See page 547 (Gage Tubing Accessories)