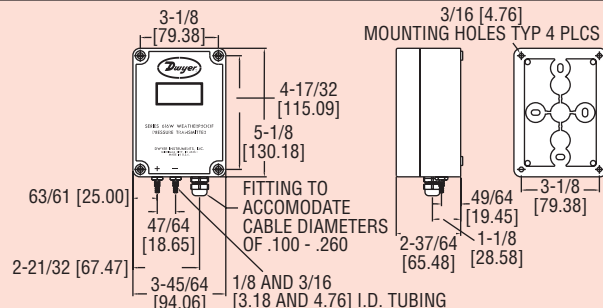




Series  
616WL

# 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  $\Omega$  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)