DIFFERENTIAL PRESSURE TRANSMITTER
NEMA 4X Enclosure, 0.25% Full-Scale 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 through 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 zero and span 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.

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

SPECIFICATIONS
- Service: Air and non-combustible, compatible gases.
- Accuracy: ±0.25% FS, display accuracy ±0.5%.
- Stability: ±1% FS/yr.

Loop Resistance: Current output: 0 to 1250 Ω max; Voltage output: Load resistance 1 kΩ (min).
Current Consumption: 21 mA max. Continuous.
Electrical Connections: 4-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: NEMA 4X (IP66).
Mounting Orientation: Any orientation.
Weight: Without LCD: 8.9 oz (253 g); With LCD: 9.5 oz (269 g).
Compliance: CE.

OPTIONS
To order add suffix: Description
-NIST NIST traceable calibration certificate
Example: 616W-3-LCD-NIST

Process Tubing Options: See page 453 (Gage Tubing Accessories)

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 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 ±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.

APPLICATIONS
- Low pressure applications
- Dust collection
- Outdoor HVAC
- Roof-top equipment

SPECIFICATIONS
- Service: Air and non-combustible, compatible gases.
- Accuracy: ±0.50% FS, display accuracy ±0.5%.
- Temperature Limits: 0 to 120°F (-17.8 to 60°C).
- Temperature Effect: ±0.02% FS/°F (0.036% FS/°C).

Zero and Span Adjustments: Digital, push-button adj.
Current Resistance: DC: 0 to 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).
Compliance: CE.