Dwyer
SERIES 616W
Differential Pressure Transmitters

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

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

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.

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/Syr.
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 (5-wire).
Output Signal: 4-20 mA (2-wire), 0-5 VDC, or 0-10 VDC (3-wire).
Zero and Span Adjustments: Push-buttins.

OPTIONS TO ORDER
To order add suffix: Description Price
-NIST NIST traceable calibration certificate $139.00
Example: 616W-3LCD-NIST

CALIBRATION SERVICES AVAILABLE

SERIES 616WL
Differential Pressure Transmitter
Low Ranges Down to 0.25 in w.c. (60 Pa), NEMA 4X Housing (IP66)

APPLICATIONS
• Low pressure applications
• Dust collection
• Outdoor HVAC

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.
• High precision accuracy at low pressure ranges provides exceptional accuracy for insuring tight-control and minimizing costly out of specification conditions.

SPECIFICATIONS
Service: Air and non-combustible, compatible gases.
Wetted Materials: Consult factory.
Accuracy: ±0.05% FS, display accuracy ±0.5%.
Stability: ±1% FS/Syr.
Temperature Limits: 0 to 120°F (-17.8 to 60°C).
Pressure Limits: See chart.
Compensated Temperature Limits: 20 to 120°F (-6.7 to 48.9°C).
Process Connections: Barbed, dual size to fit 1/8” and 3/16” (3.18 and 4.76 mm) ID rubber or vinyl tubing.
Enclosure Rating: NEMA 4X (IP66).
Mounting Orientation: Vertical, consult factory for other position orientations.
Agency Approvals: CE.

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CALIBRATION SERVICES AVAILABLE

Model Chart

Model Range Max. Pressure Price
616W-2LCD 0 to 25 in w.c. 4 psig $219.00
616W-3LCD 0 to 1 in w.c. 4 psig $275.00
616W-4LCD 0 to 2.5 kPa 4 psig $275.00
616W-12LCD 0 to ±0.25 in w.c. 4 psig $409.00
616W-14LCD 0 to ±1 in w.c. 4 psig $409.00
616W-22LCD 0 to 60 Pa 4 psig $370.00
616W-32LCD 0 to 250 Pa 4 psig $370.00
616W-25LCD 0 to 250 Pa 4 psig $370.00
616W-35LCD 0 to ±250 Pa 4 psig $370.00

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