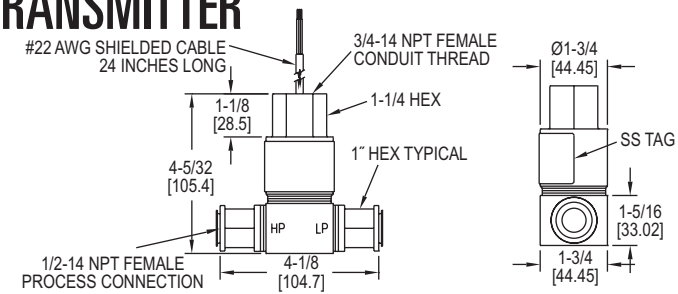
Dwyer

SERIES 636D

FIXED RANGE DIFFERENTIAL PRESSURE TRANSMITTER

Explosion-Proof, 0.5% Accuracy



Series 636D Fixed Range Differential Pressure Transmitter can be used for measuring pressures of liquids, gases & vapors. All available ranges have an excellent 0.5% FS accuracy with a 4-20 mA Output standard or optional 1-5 VDC output. The NEMA 4 housing is an all 316 welded construction that is designed to withstand the harshest environmental conditions. With all 316L wetted materials, this transmitter is compatible with most media. These units are CSA approved explosion-proof for use in the specified hazardous locations and meet NACE standards for off-shore applications.

FEATURES/BENEFITS

- NEMA 4X rated enclosure provides protection in harsh environments permitting outdoor monitoring or in areas where dust and particulate matter exists
- Explosion-proof device for use in hazardous areas
- Versatile, high-accuracy device for liquid or gas supports designs requiring more precise measurements in support of application

APPLICATIONS

• Pump differential pressure • Critical process monitoring • Off shore applications

MODEL CHART

Model 4-20 mA Out	Range	Price	Model 1-5 VDC Out	Range	Price
636D-0	0 to 6 psid	**$1319.00**Ⓑ	**636D-0-LP**	0 to 6 psid	**$1407.00**Ⓑ
636D-1	0 to 15 psid	**1319.00**Ⓑ	**636D-1-LP**	0 to 15 psid	**1407.00**Ⓑ
636D-2	0 to 30 psid	**1319.00**Ⓑ	**636D-2-LP**	0 to 30 psid	**1407.00**Ⓑ
636D-3	0 to 60 psid	**1319.00**Ⓑ	**636D-3-LP**	0 to 60 psid	**1407.00**Ⓑ
636D-4	0 to 100 psid	**1319.00**Ⓑ	**636D-4-LP**	0 to 100 psid	**1407.00**Ⓑ
636D-5	0 to 150 psid	**1319.00**Ⓑ	**636D-5-LP**	0 to 150 psid	**1407.00**Ⓑ
636D-6	0 to 200 psid	**1319.00**Ⓑ	**636D-6-LP**	0 to 200 psid	**1407.00**Ⓑ
636D-7	0 to 300 psid	**1319.00**Ⓑ	**636D-7-LP**	0 to 300 psid	**1407.00**Ⓑ
636D-8	0 to 500 psid	**1319.00**Ⓑ	**636D-8-LP**	0 to 500 psid	**1407.00**Ⓑ

Ⓑ Items are subject to Schedule B discounts.

SPECIFICATIONS

Service: Compatible gases, liquids, or vapors.
Wetted Materials: Types 316L SS.
Accuracy: BFSL: ±0.5% FS (includes linearity, hysteresis, and repeatability).
Stability: ±1.0 FS/yr.
Pressure Limits: 3 x full-scale differential pressure; Burst: 2500 psig.
Temperature Limits: Ambient operating: -40 to 140°F (-40 to 60°C); Process interface: -40 to 212°F (-40 to 100°C); Storage: -40 to 212°F (-40 to 100°C).
Compensated Temperature Range: -20 to 160°F (-29 to 71°C).
Thermal Effect: ±2% FS/50°F (reference to 77°F).
Power Requirements: 12 to 30 VDC for 4 to 20 mA outputs; 8 to 14 VDC for 1 to 5 VDC outputs, both with reverse polarity protection.
Output Signal: 4 to 20 mA DC or 1 to 5 VDC.
Zero and Span Adjustment: Fixed.
Response Time: 20 ms.
Loop Resistance: 900 Ω max @ 30 VDC for current outputs. For voltage outputs, minimum lead resistance 50k ohms.
Current Consumption: 4 to 20 mA for current output models; 3 mA for voltage output models.
Electrical Connections: 2 ft, 22 AWG cable; 3/4˝ female NPT conduit.
Process Connections: Two 1/2˝ female NPT.
Enclosure Rating: NEMA 4 (IP56).
Mounting Orientation: ±0.05 psi/90° rotation from horizontal.
Weight: 1.8 lb (0.82 kg).
Agency Approvals: CSA approved explosion-proof for Class I, Division 1, Groups B, C, and D; Class II, Groups E, F, and G; Class III.

OPTIONS

Use order code:	Description	Price
NISTCAL-PT1	NIST traceable calibration certificate	**$139.00**