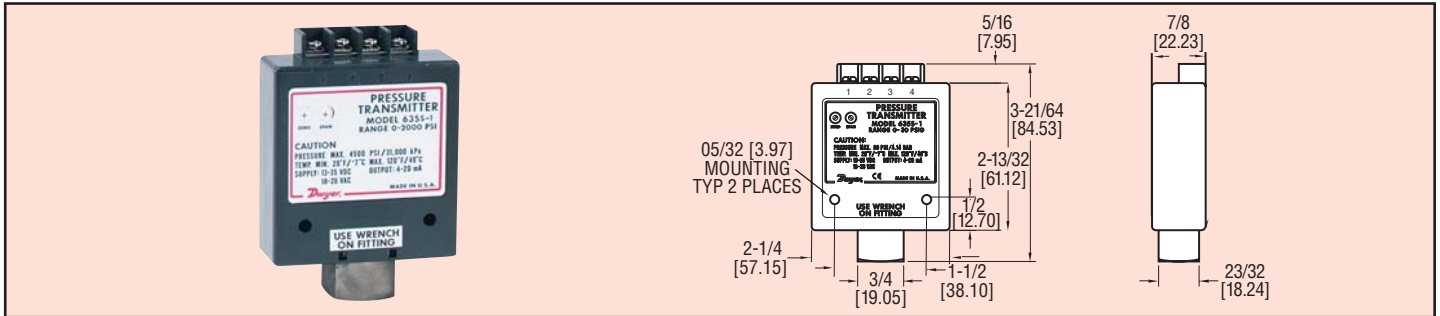




Series 635S

Adjustable Range Pressure Transmitter

0.5% Full Span Accuracy, 2 Wire, Ranges to 5000 psi



The Dwyer Series 635S Pressure Transmitter, senses pressures of non-combustible gases or liquids compatible with 316LSS. Provides a 4-20 mA output signal. A single positive pressure can be measured with an accuracy of $\pm 0.5\%$ of full span. Rangeability shown in chart below.

STOCKED MODELS in bold

Model Number	Range in psi (bar)	Min. Range in psi (bar)	Max. Range in psi (bar)
635S-1	0-15.0 (0-1.035)	0-7.5 (0-0.517)	0-40 (0-2.76)
635S-2	0-50 (0-3.45)	0-40 (0-2.76)	0-60 (0-4.14)
635S-3	0-100 (0-6.9)	0-60 (0-4.14)	0-120 (0-8.3)
635S-4	0-200 (0-13.8)	0-100 (0-6.9)	0-250 (0-17.2)
635S-5	0-500 (0-34.5)	0-250 (0-17.2)	0-600 (0-41.4)
635S-6	0-1000 (0-69)	0-600 (0-41.4)	0-1250 (0-86)
635S-7	0-2000 (0-138)	0-1250 (0-86)	0-2500 (0-172)
635S-8	0-4000 (0-276)	0-2500 (0-172)	0-5000 (0-344.5)

SPECIFICATIONS

Service: Compatible, gases & liquids.
Wetted Materials: Type 316L SS.
Accuracy: $\pm 0.5\%$ F.S. (includes linearity, hysteresis and repeatability).
Stability: $\pm 1\%$ F.S./yr.
Temperature Limits: 0 to 140°F (-17.8 to 60°).
Compensated Temperature Limits: 20 to 120°F (-6.67 to 48.9°C).
Pressure Limit: 1.5x maximum range.
Thermal Effect: $\pm 0.025\%$ F.S./°F (0.045% F.S./°C).
Power Requirements: 10 to 35 VDC (2 wire).
Output Signal: 4 to 20 mA.

Zero & Span Adjustments: Accessible potentiometers.
Loop Resistance: 1250 ohms DC max.
Current Consumption: 38 mA DC max.
Electrical Connections: Terminal block.
Process Connection: 1/8" (3.18 mm) female NPT.
Enclosure Rating: Designed to meet NEMA 1.
Mounting Orientation: Not position sensitive.
Weight: 4.2 oz (119 g).
Agency Approvals: CE.



Series 636

Fixed Range Pressure Transmitter

Stainless Steel, Explosion-proof, Accuracy $\pm 0.30\%$, 4-20 mA or 1-5 VDC Signal



The Series 636 Pressure Transmitter is a low cost, fixed range, stainless steel transmitter with $\pm 0.30\%$ accuracy. It is designed to continuously measure pressure for years in even the toughest environmental and media conditions. Select from 4 ranges to 0-300 PSIG (0-20 bar) with choice of 4-20 mA output (model 636) or 1-5 VDC output (model 636LP). Transmitters are explosion-proof, (FM approved) and meet NACE standards for offshore applications.

STOCKED MODELS in bold

Model Number		Operating Range, PSI	Operating Range, Bar
4-20 mA OUT	1-5 VDC OUT		
636-0	636-0-LP	0-15	0-1
636-1	636-1-LP	0-30	0-2
636-2	636-2-LP	0-100	0-7
636-3	636-3-LP	0-300	0-20

SPECIFICATIONS

Service: Liquid, Gas or Vapor.
Wetted Materials: 316 L SS.
Fill Fluid: DC 200 Silicone (Standard).
Accuracy: $\pm 0.30\%$ of calibrated span.
Stability: $\pm 0.5\%$ of upper range limit for six months.
Temperature Limits: Electronics (Ambient): -40 to 140°F (-40 to 60°C); Process interface: -40 to 212°F (-40 to 100°C).
Pressure Limits: 300% upper range limit.
Compensated Temperature Range: -20 to 180°F (-29 to 82°C).
Thermal Effect: (includes zero and span). Between -20 and 180°F (-29 and 82°C). $\pm 2.0\%$ per 50°F (28°C).
Power Requirements: 12 to 30VDC (636), 8 to 14 VDC (636LP), reverse polarity protection.

Output Signal: 4-20 mA DC, limited to 30 mA DC (636), 1-5 VDC (636LP).
Zero & Span Adjustments: Null: 4.0mA $\pm 2\%$ span (636), 1VDC $\pm 1\%$ span (636LP); Span: 16.0 mA $\pm 1\%$ span (636), 4 VDC $\pm 1\%$ span (636LP).
Loop Resistance: 900 ohms max @ 30V.
Electrical Connection: 3/4" female NPT 24" (61 cm), 22 AWG.
Process Connection: 1/2" female NPT.
Weight: 0.83 lb (374 g).
Suggested Specifications: Pressure transmitter body shall be 316 stainless steel with fixed range and accuracy of $\pm 0.30\%$. Unit shall be FM approved, explosion-proof for Class I, II, III, Division 1, Groups B, C, D, E, F, G, for Hazardous Locations; indoor and outdoor NEMA Type 4 Enclosure. Transmitter shall be Dwyer Model No. 636 ____.