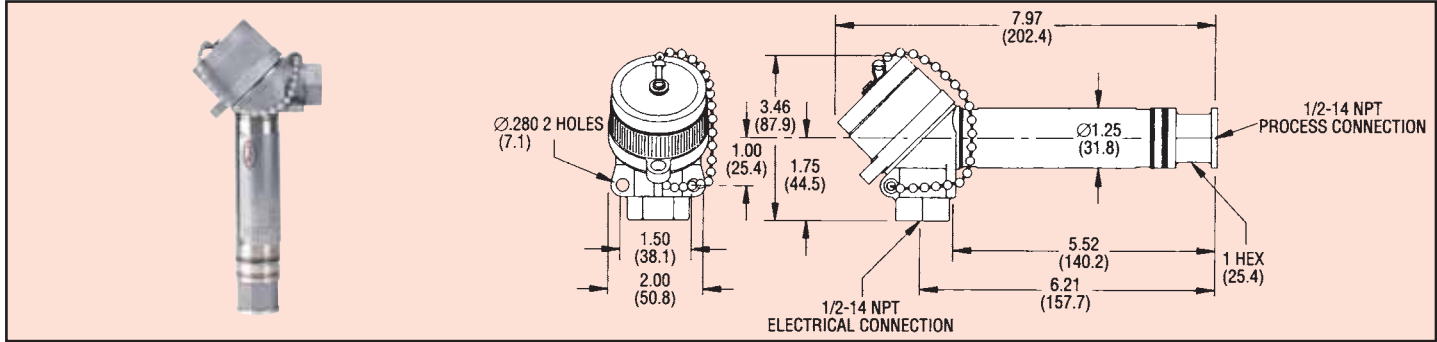




Series
637

Adjustable Range Pressure Transmitter

Stainless Steel, Explosion-proof, Accuracy $\pm 0.25\%$, 4-20 mA Signal



Series 637 Pressure Transmitters are durable and compact with all welded 316 SS construction and exceptional $\pm 0.25\%$ accuracy. Four ranges are offered up to 0-300 psig (0-20 bar). Zero and span are adjustable to $\pm 10\%$ each; range turndown is a full 5:1. Integral junction box simplifies field wiring. Output is 4-20 mA with 12-40 VDC power supply. Units are explosion-proof, intrinsically safe with FM approval and they meet NACE standards for offshore applications.

Model	Stock Range, psi	Minimum Range, psi	Stock Range, bar	Minimum Range, bar
637-0	0-15	0-3	0-1	0-0.2
637-1	0-30	0-6	0-2	0-0.4
637-2	0-100	0-20	0-7	0-1.4
637-3	0-300	0-60	0-20	0-4

ACCESSORIES

MTL5041, Intrinsically Safe Galvanic Isolator

MTL7706, Intrinsically Safe Zener Barrier

SPECIFICATIONS

Service: Liquid, gas or vapor.

Wetted Materials: 316 L SS.

Body: 316 SS.

Accuracy: $\pm 0.25\%$ of calibrated span.

Stability: $\pm 0.5\%$ of upper range limit for six months.

Temperature Limits: Process Interface -40 to 212°F (-40 to 100°C).

Pressure Limits: 300% full scale.

Compensated Temperature: -20 to 180°F (-29 to 82°C).

Thermal Effect: (includes zero and span)
 $\pm 0.02\%$ upper range /°F (30 to 130°F)
 $\pm 0.032\%$ upper range /°F (-20 to 180°F).

Power Requirements: 12 to 40 VDC with rev. polarity protection.

Output Signal: 4-20 mA DC, max. 30 mA DC (2-wire).

Zero and Span Adjustment: $\pm 10\%$ each.

Loop Resistance: 600 ohms @ 24 VDC; max. ohms = (supply voltage - 12) x 50.

Electrical Connection: 1/2" female NPT.

Process Connection: 1/2" female NPT.

Response Time: Time constant of 20 ms.

Weight: 1.67 lb (752 g).

Agency Approvals: CE, explosion-proof for Class I, Div. 1, Groups B, C, D; Dust-ignition proof for Class II, Div. 1, Groups E & G and suitable for Class III, Div. 1; Hazardous Locations.