The Series 636 Pressure Transmitter is a low cost, fixed range, stainless steel transmitter with ±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 to 300 psig (0 to 20 bar) with choice of 4 to 20 mA output (model 636) or 1 to 5 VDC output (model 636LP). Transmitters are explosion-proof, (FM approved) and meet NACE standards for offshore applications.

### SPECIFICATIONS

- **Service:** Liquid, gas or vapor.
- **Wetted Materials:** 316 L SS.
- **Fill Fluid:** DC 200 silicone (standard).
- **Accuracy:** ±0.30% of calibrated span.
- **Stability:** ±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% of upper range limit.
- **Compensated Temperature Range:** -20 to 180°F (-29 to 82°C).
- **Thermal Effect:** ±2.0% per 50°F (28°C).
- **Power Requirements:** 12 to 30 VDC (636), 8 to 14 VDC (636LP), reverse polarity protection.
- **Output Signal:** 4 to 20 mA DC, limited to 30 mA DC (636), 1 to 5 VDC (636LP).
- **Zero & Span Adjustments:** Null: 4.0 mA ±2% span (636), 1 VDC ±1% span (636LP); Span: ±1% span (636), ±2% span (636LP).
- **Loop Resistance:** 900 Ω max @ 30 V.
- **Electrical Connection:** 3/4˝ female NPT 24” (61 cm), 22 AWG.
- **Process Connection:** 1/2˝ female NPT.
- **Enclosure Rating:** NEMA 4 (IP56).
- **Weight:** 0.83 Ib (374 g).
- **Agency Approvals:** CSA, FM.

**OPTION**

For NIST traceable calibration certificate, use order code NISTCAL-PT1.

### Series 637 Adjustable Range Pressure Transmitter

**Stainless Steel, Explosion-proof, Accuracy ±0.25%, 4-20 mA Signal**

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

**SPECIFICATIONS**

- **Service:** Liquid, gas or vapor.
- **Wetted Materials:** 316 L SS.
- **Body:** 316 SS.
- **Accuracy:** ±0.25% of calibrated span.
- **Stability:** ±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 Range:** -20 to 180°F (-29 to 82°C).
- **Thermal Effect:** ±0.02% upper range/°F (30 to 130°F) ±0.032% upper range²/°F (-20 to 180°F).
- **Power Requirements:** 12 to 40 mA with rev. polarity protection.
- **Output Signal:** 4 to 20 mA DC, max. 30 mA DC (2-wire).
- **Zero and Span Adjustment:** ±10% each.
- **Loop Resistance:** 600 Ω @ 24 VDC, max. Q = (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:** CSA, FM.

**OPTION**

For NIST traceable calibration certificate, use order code NISTCAL-PT1.