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 0-300 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.

### 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% upper range limit.
- **Compensated Temperature Range:** -20 to 180°F (-29 to 82°C).
- **Thermal Effect:** (includes zero and span) ±0.2% per 50°F (28°C).
- **Power Requirements:** 12 to 30 VDC (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: 4.0 mA ±2% span (636), 1 VDC ±1% span (636LP);
  - Span: 16.0 mA ±1% span (636), 4 VDC ±1% span (636LP).
- **Loop Resistance:** 900 ohms max @ 30 V.
- **Electrical Connection:** 3/4˝ female NPT (636), 1/2˝ female NPT (636LP).
- **Enclosure Rating:** NEMA 4 (IP65).
- **Weight:** 0.83 Ib (374 g).
- **Agency Approvals:** FM, CSA.

### Fixed Range Pressure Transmitter
- **Model:** 636
- **Operating Range, PSI:**
  - 636-0: 0-15
  - 636-1: 0-30
  - 636-2: 0-100
  - 636-3: 0-300
- **Operating Range, Bar:**
  - 636-0: 0-1
  - 636-1: 0-2
  - 636-2: 0-7
  - 636-3: 0-20

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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 0-300 psig (0-20 bar). Zero and span are adjustable to ±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.

### 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:** -20 to 180°F (-29 to 82°C).
- **Thermal Effect:** (includes zero and span): ±0.2% upper range/F (30 to 130°F) ±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:** ±10% each.
- **Loop Resistance:** 600 ohms @ 24 VDC; max. ohms = (supply voltage -12) x 50.
- **Electrical 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.

### Adjustable Range Pressure Transmitter
- **Model:** 637
- **Operating Range, PSI:**
  - 637-0: 0-15
  - 637-1: 0-30
  - 637-2: 0-100
  - 637-3: 0-300
- **Operating Range, Bar:**
  - 637-0: 0-1
  - 637-1: 0-2
  - 637-2: 0-7
  - 637-3: 0-20

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