**Fixed Range Pressure Transmitter**

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 636-LP). Transmitters are explosion-proof, (FM approved) and meet NACE standards for offshore applications.

### Fixed Range Pressure Transmitter

- **Stainless Steel, Explosion-proof, Accuracy ±0.30%, 4-20 mA or 1-5 VDC Signal**

<table>
<thead>
<tr>
<th>Model</th>
<th>Operating Range, PSI</th>
<th>Operating Range, Bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>636-0</td>
<td>0-15</td>
<td>0-1</td>
</tr>
<tr>
<td>636-1</td>
<td>0-30</td>
<td>0-2</td>
</tr>
<tr>
<td>636-2</td>
<td>0-100</td>
<td>0-7</td>
</tr>
<tr>
<td>636-3</td>
<td>0-300</td>
<td>0-20</td>
</tr>
</tbody>
</table>

**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) ±2.0% per 50°F (28°C).
- **Power Requirements:** 12 to 30 VDC (636), 8 to 14 VDC (636-LP).
- **Output Signal:** 4 to 20 mA DC, limited to 30 mA DC (636), 1 to 5 V DC (636-LP).
- **Zero & Span Adjustments:**
  - Null: 4.0 mA ±2% span (636), 1 VDC ±1% span (636-LP);
  - Span: 16.0 mA ±1% span (636), 4 VDC ±1% span (636-LP).
- **Loop Resistance:** 900 Ω max @ 30 VDC.
- **Electrical Connection:** 3/4˝ female NPT 24˝ (61 cm), 22 AWG.
- **Process Connection:** 1/2˝ female NPT.
- **Weight:** 0.83 lb (374 g).
- **Agency Approvals:** CSA, FM.
- **Enclosure Rating:** NEMA 4 (IP56).

**OPTION**

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

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**Adjustable Range Pressure Transmitter**

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 to 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 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.

### Adjustable Range Pressure Transmitter

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

<table>
<thead>
<tr>
<th>Model</th>
<th>Stock Range, psi</th>
<th>Minimum Range, psi</th>
<th>Stock Range, bar</th>
<th>Minimum Range, bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>637-0</td>
<td>0-15</td>
<td>0-3</td>
<td>0-1</td>
<td>0-0.2</td>
</tr>
<tr>
<td>637-1</td>
<td>0-30</td>
<td>0-6</td>
<td>0-2</td>
<td>0-0.4</td>
</tr>
<tr>
<td>637-2</td>
<td>0-100</td>
<td>0-20</td>
<td>0-7</td>
<td>0-1.4</td>
</tr>
<tr>
<td>637-3</td>
<td>0-300</td>
<td>0-40</td>
<td>0-20</td>
<td>0-4</td>
</tr>
</tbody>
</table>

**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) ±0.02% upper range°F (-20 to 180°F).
- **Power Requirements:** 12 to 40 VDC 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. 0 = (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. FM.

**OPTION**

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