Single Pressure Transmitters

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.

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

**Series 636**

<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 (636LP).
- Loop Resistance: 900 ohms max @ 30 V.
- Electrical Connection: 3/4˝ female NPT 24˝ (61 cm), 22 AWG.
- Process Connection: 1/2˝ female NPT.
- Weight: 0.83 Ib (374 g).
- Agency Approvals: FM, CSA.
- FM and CSA approved explosion-proof for Class I, Division 1, Groups B, C, & D; Class II Groups E, F, & G Class III.

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.

**Adjustable Range Pressure Transmitter**
- Stainless Steel, Explosion-proof, Accuracy ±0.25%, 4-20 mA Signal

**Series 637**

<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>0-60</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) ±0.02% 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, 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: 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, FM, CSA.
- FM and CSA approved explosion-proof for Class I, Division 1, Groups B, C, & D, Class II Groups E, F, & G Class III.