### Series 636 Pressure Transmitter

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

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). Between -20 and 180°F (-29 and 82°C), ±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 (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.

#### 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 636 Models:

<table>
<thead>
<tr>
<th>Model</th>
<th>4-20 mA OUT</th>
<th>1-5 VDC OUT</th>
<th>Operating Range, PSI</th>
<th>Operating Range, Bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>636-0</td>
<td>$527.00</td>
<td>$573.00</td>
<td>0-30</td>
<td>0-2</td>
</tr>
<tr>
<td>636-1</td>
<td>$527.00</td>
<td>$573.00</td>
<td>0-100</td>
<td>0-7</td>
</tr>
<tr>
<td>636-2</td>
<td>$527.00</td>
<td>$573.00</td>
<td>0-300</td>
<td>0-20</td>
</tr>
</tbody>
</table>

 preparatory items are subject to Schedule B discounts.

### Series 637 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 0-300 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.
- **Fill Fluid:** DC 200 silicone (standard).
- **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% per 50°F (28°C).
- **Power Requirements:** 12 to 40 VDC.

#### 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.

#### 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.

#### Series 637 Models:

<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>0-2</td>
</tr>
<tr>
<td>637-1</td>
<td>0-30</td>
<td>0-6</td>
<td>0-2</td>
<td>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>

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