**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 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:** ±0.25% 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 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% (636LP).
  - Span: 16.0 mA ±1% span (636), 4 VDC ±1% span (636LP).
- **Loop Resistance:** 900 Ω max @ 30 V.
- **Electrical Connection:** 1/4” female NPT 24” (61 cm), 22 AWG.
- **Process Connection:** 1/2” female NPT.
- **Enclosure Rating:** NEMA 4 (IP56).
- **Weight:** 0.83 lb (374 g).
- **Agency Approvals:** CSA, FM.
- **FM and CSA approved explosion-proof for Class I, Division 1, Groups B, C, & D, Class II Groups E, F, & G Class III.

### Ordering Information

**Price — All Series 636 models listed below ............................ $1068.00

1 Items are subject to Schedule B discounts.

<table>
<thead>
<tr>
<th>Model</th>
<th>Stock Range, psi</th>
<th>Minimum Range, psi</th>
<th>Operating Range, PSI</th>
<th>Operating Range, Bar</th>
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**OPTION**

For NIST traceable calibration certificate, use order code NISTCAL-PT1 ................................. $135.00

1 Items are not net priced and are not subject to any discount.

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**Series 637 Pressure Transmitters**

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 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.

### 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).
- **Electrical Connection:** 1/4” female NPT 24” (61 cm), 22 AWG.
- **Response Time:** Time constant of 20 ms.
- **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.

### 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.

### Ordering Information

**Price — All Series 637 models listed below ............................ $1068.00

1 Items are subject to Schedule B discounts.

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<tr>
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**OPTION**

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