



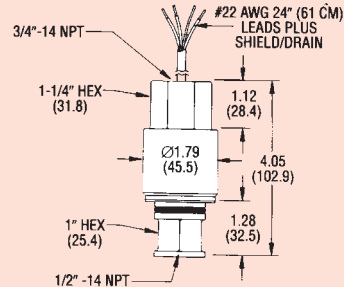
Series  
636

# Fixed Range Pressure Transmitter

Stainless Steel, Explosion-proof, Accuracy  $\pm 0.30\%$ , 4-20 mA or 1-5 VDC Signal



Pressure



The Series 636 Pressure Transmitter is a low cost, fixed range, stainless steel transmitter with  $\pm 0.30\%$  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:**  $\pm 0.30\%$  of calibrated span.

**Stability:**  $\pm 0.5\%$  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).  $\pm 2.0\%$  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: 4.0mA  $\pm 2\%$  span (636), 1VDC  $\pm 1\%$  span (636LP);

Span: 16.0 mA  $\pm 1\%$  span (636), 4 VDC  $\pm 1\%$  span (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. **Enclosure Rating:** NEMA 4 (IP65).

**Weight:** 0.83 lb (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.

| Model       |             | Operating Range, PSI | Operating Range, Bar |
|-------------|-------------|----------------------|----------------------|
| 4-20 mA OUT | 1-5 VDC OUT |                      |                      |
| 636-0       | 636-0-LP    | 0-15                 | 0-1                  |
| 636-1       | 636-1-LP    | 0-30                 | 0-2                  |
| 636-2       | 636-2-LP    | 0-100                | 0-7                  |
| 636-3       | 636-3-LP    | 0-300                | 0-20                 |