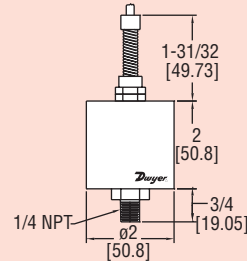




Series  
682

# Industrial Pressure Transmitter

±0.13% FS Accuracy, External Adjustments, 4 to 20 mA Output



The **Series 682 Industrial Pressure Transmitter** is designed to withstand environmental effects such as shock, vibration, temperature, and EMI/RFI. The electronics and capacitive sensor are packaged in a welded stainless steel housing and meets NEMA 4 (IP56) protection ratings. The transmitter features external zero and span adjustments and reverse polarity protection. The Series 682 delivers high performance in tough applications such as off road equipment, hydraulic systems, compressor control, industrial engines, or industrial refrigeration.

Model*	Range	Overpressure
682-1	0 to 50 psi	150 psi
682-2	0 to 100 psi	300 psi
682-3	0 to 250 psi	500 psi
682-4	0 to 500 psi	1000 psi

\*Units calibrated in bar also available. Consult factory.

## OPTION

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

## SPECIFICATIONS

**Service:** Compatible liquids and gases.

**Wetted Parts:** 17-4 PH SS.

**Accuracy:** ± 0.13% FS (includes non-linearity, hysteresis and non-repeatability).

**Temperature Limits:** -40 to 260°F (-40 to 125°C) 10 to 90% RH, non-condensing.

**Pressure Limit:** See table.

**Compensated Temperature Range:** -4 to 176°F (-20 to 80°C).

**Thermal Effect:** Zero shift: 1.0% FS/100°F span shift: ±1.5% FS/100°F.

**Power Requirements:** 9 to 30 VDC.

**Output Signal:** 4 to 20 mA, 2-wire.

**Zero and Span Adjustment:** ± 0.5 mA, non-interactive.

**Response Time:** 5 ms.

**Loop Resistance:** 800 Ω.

**Electrical Connections:** 2 ft (51 cm) multiconductor cable.

**Process Connection:** 1/4" male NPT.

**Weight:** 8 oz (227 g).

**Agency Approvals:** CE.

**Shock:** 200 g operating.

**Vibration:** 20 g 50-2000 Hz.