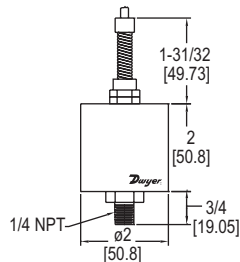


**Dwyer**

SERIES 682

# INDUSTRIAL PRESSURE TRANSMITTER

 $\pm 0.13\%$  FS Accuracy, External Adjustments, 4-20 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 (IP65) protection ratings.

## FEATURES/BENEFITS

- Weather-proof welded housing provides device protection for outdoor use or harsh environment operation
- Not affected by environmental effects such as temperature, shock, vibration, and EMI/RFI provides reliable switching for equipment
- External span and zero adjustments reduce installation and service time

## APPLICATIONS

- Off-road equipment
- Compressor control
- Industrial refrigeration
- Hydraulic systems
- Industrial engines

## MODEL CHART

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

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

## SPECIFICATIONS

**Service:** Compatible liquids and gases.

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

**Accuracy:**  $\pm 0.13\%$  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:  $\pm 1.5\%$  FS/100°F.

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

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

**Zero and Span Adjustment:**  $\pm 0.5$  mA, non-interactive.

**Response Time:** 5 ms.

**Loop Resistance:** 800  $\Omega$ .

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

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

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

**Shock:** 200 g operating.

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

## OPTIONS

Use order code: Description

NISTCAL-PT1 NIST traceable calibration certificate