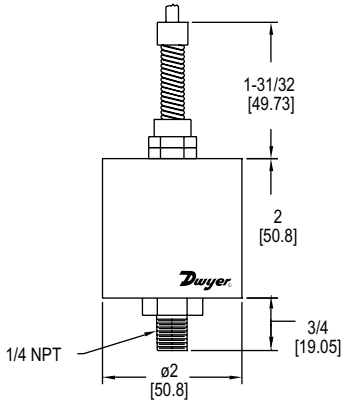
Dwyer

SERIES 682

INDUSTRIAL PRESSURE TRANSMITTER

±0.13% Full-Scale 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.

BENEFITS/FEATURES

- 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: ±.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: 9-30 VDC. **Output Signal:** 4-20 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.
Shock: 200 g operating.
Vibration: 20 g 50-2000 Hz.
Weight: 8 oz (227 g).

OPTIONS	
Use order code:	**Description**
NISTCAL-PT1	NIST traceable calibration certificate