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.

### SPECIFICATIONS

- **Service:** Compatible liquids and gases.
- **Wetted Parts:** 17-4 PH SS.
- **Accuracy:** ±1.3% 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.
- **Compressed Temp. Range:** -4 to 176°F (-20 to 80°C).
- **Thermal Effect:** Zero shift: 0.2% FS/100°F span shift: ±1.5% FS/100°F.
- **Power Requirements:** 9 to 30 VDC.
- **Output:** 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.
- **Compensated Temperature Limits:** (-17.8 to 60°C).
- **Temperature Limits:** -4 to 120°F (-20 to 48.9°C).
- **Accuracy:** ±.13% FS (includes non-linearity, hysteresis and non-repeatability).
- **Wetted Parts:** 17-4 PH SS.
- **Service:** Compatible gases & liquids.
- **Accuracy:** ±0.5% FS.
- **Stability:** ±1% FS/yr.
- **Temperature Limits:** 0 to 140°F (-17.8 to 60°C).
- **Compensated Temp. Range:** 20 to 120°F (-6.67 to 48.9°C).
- **Pressure Limit:** See table.
- **Thermal Effect:** Zero shift: 0.025% FS/°F (0.045% FS/°C).
- **Power Requirements:** 10 to 35 VDC (2-wire).
- **Output:** 4 to 20 mA.

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### Series 682

<table>
<thead>
<tr>
<th>Model*</th>
<th>Range (psi)</th>
<th>Overpressure (psi)</th>
</tr>
</thead>
<tbody>
<tr>
<td>682-1</td>
<td>0 to 50</td>
<td>150</td>
</tr>
<tr>
<td>682-2</td>
<td>0 to 100</td>
<td>300</td>
</tr>
<tr>
<td>682-3</td>
<td>0 to 250</td>
<td>500</td>
</tr>
<tr>
<td>682-4</td>
<td>0 to 500</td>
<td>1000</td>
</tr>
</tbody>
</table>

*Units calibrated in bar also available. Consult factory.

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### Series 634ES

**Adjustable Range Pressure Transmitter**

**0.5% Full Span Accuracy, Ranges to 5000 psi**

**Series 634ES Transmitters** sense a single pressure for air, compatible gas or liquid and provide 4 to 20 mA output signal. Positive pressure can be measured within an accuracy of ±0.5% of span. The Series 634ES uses an isolated piezoresistive pressure sensor to produce a resistance change across a wheatstone bridge. Convenient 2-wire operation simplifies installation. Zero and span adjustments are fully protected inside a rugged die cast aluminum enclosure with durable gray polyurethane finish. Enclosure is designed to meet NEMA 4X (IP66) requirements.

**SPECIFICATIONS**

- **Service:** Compatible liquids and gases.
- **Wetted Materials:** Types 316, 316L SS.
- **Accuracy:** ±0.5% FS.
- **Stability:** ±1% FS/yr.
- **Temperature Limits:** 0 to 140°F (-17.8 to 60°C).
- **Pressure Limit:** See table.
- **Compensated Temp. Range:** 20 to 120°F (-6.67 to 48.9°C).
- **Thermal Effect:** Zero shift: 0.025% FS/°F (0.045% FS/°C).
- **Power Requirements:** 10 to 35 VDC (2-wire).
- **Output:** 4 to 20 mA.

<table>
<thead>
<tr>
<th>Model</th>
<th>Range in psi (bar)</th>
<th>Min. Range in psi (bar)</th>
<th>Max. Range in psi (bar)</th>
</tr>
</thead>
<tbody>
<tr>
<td>634ES-0</td>
<td>10 (0.69)</td>
<td>10 (0.69)</td>
<td>20 (1.38)</td>
</tr>
<tr>
<td>634ES-1</td>
<td>20 (1.38)</td>
<td>10 (0.69)</td>
<td>20 (1.38)</td>
</tr>
<tr>
<td>634ES-2</td>
<td>30 (2.07)</td>
<td>10 (0.69)</td>
<td>20 (1.38)</td>
</tr>
<tr>
<td>634ES-3</td>
<td>40 (2.76)</td>
<td>10 (0.69)</td>
<td>20 (1.38)</td>
</tr>
<tr>
<td>634ES-4</td>
<td>50 (3.45)</td>
<td>10 (0.69)</td>
<td>20 (1.38)</td>
</tr>
<tr>
<td>634ES-5</td>
<td>60 (4.14)</td>
<td>10 (0.69)</td>
<td>20 (1.38)</td>
</tr>
<tr>
<td>634ES-6</td>
<td>70 (4.73)</td>
<td>10 (0.69)</td>
<td>20 (1.38)</td>
</tr>
<tr>
<td>634ES-7</td>
<td>80 (5.42)</td>
<td>10 (0.69)</td>
<td>20 (1.38)</td>
</tr>
<tr>
<td>634ES-8</td>
<td>90 (6.09)</td>
<td>10 (0.69)</td>
<td>20 (1.38)</td>
</tr>
<tr>
<td>634ES-9</td>
<td>100 (6.86)</td>
<td>10 (0.69)</td>
<td>20 (1.38)</td>
</tr>
</tbody>
</table>

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**OPTION**

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