The low cost Series 673 Pressure Transmitter is a fixed range transmitter designed for harsh environments and suitable for high shock and vibration applications. Constructed of stainless steel, the Series 673 provides a 4 to 20 mA output signal with 0.25% accuracy. Use the Series 673 in industrial OEM equipment, hydraulic systems, HVAC equipment, industrial engines and compressor control.

### Series 673 Pressure Transmitter

**± 0.25% Full Span Accuracy, 4-20 mA Signal, Ranges to 1000 psi**

**NEW CONDUIT VERSION**

### Series 638 Pressure Transmitters

Series 638 Pressure Transmitters employ a polysilicon sensor for superior longterm stability and repeatability with ±0.5% accuracy. They are FM approved intrinsically safe. Stainless steel NEMA 4X enclosure is ideal for corrosive media in hazardous environments. Output is 4-20 mA with 10-30 VDC power supply. NIST traceability with calibration certification is standard.

### SPECIFICATIONS

**Service:** Liquid, gas, or vapor.
**Wetted Materials:** 17-4 PH SS.
**Accuracy:** ±0.25% FS (RSS), (includes non-linearity, hysteresis and non-repeatability).
**Temperature Limits:** -40 to 260°F (-40 to 125°C).
**Pressure Limits:** 2 x maximum range.
**Compensated Temperature Range:** 4 to 212°F (-20 to 100°C).
**Thermal Errors:** Zero: ±3.6% F5/100°F; Span: ±2.7% F5/100°F.
**Supply Voltage:** 9-30 VDC.
**Output:** 4-20 mA, 2-wire.
**Zero & Span Adjustment:** Fixed.
**Response Time:** <60 msec.

### ACCESSORIES

MTL5041, Intrinsically Safe Galvanic Isolator
MTL7706, Intrinsically Safe Zener Barrier

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**Model Numbers**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Operating Range, PSI</th>
<th>Operating Range, Bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>638-1-FM</td>
<td>0-100</td>
<td>0-10</td>
</tr>
<tr>
<td>638-2-FM</td>
<td>0-150</td>
<td>0-10</td>
</tr>
<tr>
<td>638-3-FM</td>
<td>0-200</td>
<td>0-14</td>
</tr>
<tr>
<td>638-4-FM</td>
<td>0-300</td>
<td>0-21</td>
</tr>
<tr>
<td>638-5-FM</td>
<td>0-500</td>
<td>0-35</td>
</tr>
<tr>
<td>638-6-FM</td>
<td>0-750</td>
<td>0-69</td>
</tr>
</tbody>
</table>

For low cost non-FM version omit FM in model number.

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**FM APPROVED**

**Series 673**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Operating Range, PSI</th>
<th>Operating Range, Bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>673-1</td>
<td>0-1 psi</td>
<td>0-2 psi</td>
</tr>
<tr>
<td>673-2</td>
<td>0-5 psi</td>
<td>0-2.5 psi</td>
</tr>
<tr>
<td>673-3</td>
<td>0-10 psi</td>
<td>0-2.5 psi</td>
</tr>
<tr>
<td>673-4</td>
<td>0-25 psi</td>
<td>0-5 psi</td>
</tr>
<tr>
<td>673-5</td>
<td>0-50 psi</td>
<td>0-14.7-30 psig</td>
</tr>
</tbody>
</table>

*The model numbers followed by a "C" represent the conduit version.*

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**Series 638**

**Pressure Transmitter**

Stability, Stainless Steel, Intrinsically Safe, Accuracy ± 0.50%, 4-20 mA Signal

### SPECIFICATIONS

**Service:** Liquid, gas or vapor.
**Wetted Materials:** 17-4 PH SS.
**Accuracy:** ±0.50% F.S.
**Repeatability:** ±0.05% F.S.
**Hysteresis:** ±0.15% F.S.
**Stability:** Less than 1% F.S./Yr.
**Response Time:** Less than 1% F.S./Yr.
**Loop Resistance:** 0 to 800Ω.
**Stability:** 0.5% F.S./year.
**Shock:** 200g.
**Vibration:** 20g.
**Electrical Connections:** 2 ft (61 cm) multiconductor cable.
**Conduit Connection:** 1/4˝-18 NPT, 22.3 mm knockout.
**Enclosure:** Stainless Steel and Valox.
**Weight:** 2.3 oz (65 g).
**Agency Approvals:** CE.