### Series TPT | Dwyer

**Industrial Pressure Transmitter**

17-4PH SS Wetted Parts, Packard Electrical Connection

The Series TPT Pressure Transmitter is the ideal choice for all types of industrial pressure applications. Machined from a solid piece of 17-4PH SS, the TPT provides a leak proof, all metal system without O-rings, welds, or organics exposed to the pressure media. Its design allows for stable operation when subject to shock and vibration. Utilizing piezo-resistive technology with digital compensation and temperature correction, the TPT gives high accuracy and stability under harsh environmental conditions. Available in baromeric and 4 to 20 mA outputs.

**Features/Benefits**
- High-shock and vibration resistant insures stability in controlling pressure for process applications
- OEM
- Industrial engines
- HVAC equipment
- Hydraulic systems
- Compressors

**Applications**

- **Series FDT**
  - Single Pressure Transmitters

**Specifications**

- **Service**: Compatible liquids and gases.
- **Wetted Materials**: 17-4PH SS.
- **Accuracy**: ±1% FS (RMS).
- **Stability**: <±0.25% FS per year.
- **Temperature Limits**: -13° to 185°F (-20° to 85°C).
- **Compensated Temperature Range**: -13° to 185°F (-20° to 85°C).
- **Pressure Limits**: Proof pressure: 2 x FS; Burst pressure: 3 x FS.
- **Enclosure Rating**: IP65.
- **Pressure Limits**: 0 to 5 VDC; 4 to 20 mA
- **Power Requirements**: See table.
- **Output Signal**: See table.
- **Loop Resistance**: < 100 Ω.
- **Electrical Connection**: Packard connector.
- **Process Connections**: ¼”-18 male NPT.
- **Shock**: ±20 g.
- **Vibration**: 5 g @ 20 to 2000 Hz.
- **Weight**: 0.20 lb (0.09 kg).

**Accessories**

- **A-168** Matting connector for 4 pin M-12

**Option**

- **Use order code**: A-168

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### Series FDT | Dwyer

**Flush Diaphragm Transmitter**

Non-Liquid Filled, ±0.5% FS Accuracy, SS Wetted Parts

The Series FDT Flush Diaphragm Transmitter is designed for highly cyclical environments. Flush sensor feature prevents any potential inaccuracies due to build-up or blockage which is a typical problem found in most non-flush transducer sensors.

**Features/Benefits**
- Performs well in high cyclical environments with the presence of water-hammering or spiking for long service life
- OEM
- Hydraulic systems
- Process systems

**Applications**

- **Series FDT**
  - Single Pressure Transmitters

**Specifications**

- **Service**: Compatible liquids and gases, adhesives, slurries, materials that can harden, or where a pressure cavity is not desired.
- **Wetted Materials**: 316 & 15-5 SST.
- **Accuracy**: ±0.5% FS (includes non-linearity, hysteresis, and repeatability).
- **Stability**: ±0.25% FS per year.
- **Temperature Limits**: -40 to 200°F (-40 to 93°C).
- **Compensated Temperature Limits**: 0 to 170°F (-18 to 77°C).
- **Pressure Limit**: 150% FS; Burst: 200% FS.
- **Thermal Effect**: ±1.5°F SO over compensated range.
- **Power Requirements**: 8 to 38 VDC; Power Output: FDT-A: 4 to 20 mA DC; FDT-V: 0 to 5 VDC.
- **Response Time**: <1 ms.
- **Loop Resistance**: FDT-A: 0 to 15 Ω; FDT-V: 100 Ω.
- **Electrical Connections**: 4-pin.
- **Process Connections**: 7/16-20 UNF male flush diaphragm. Optional 1/4" male NPT.
- **Enclosure Rating**: NEMA 4X (IP66).
- **Mounting Orientation**: Mount in any position.
- **Weight**: 2 oz (57 g).
- **Agency Approvals**: CE.

**Accessories**

- **A-168** Matting connector for 4 pin M-12

**Option**

- **Use order code**: A-168

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**Table: Model Chart**

<table>
<thead>
<tr>
<th>Model</th>
<th>Range psi (bar)</th>
<th>Power Requirements (VDC)</th>
<th>Output Signal</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPT-R01</td>
<td>100 (6.89)</td>
<td>4.75 to 5.25</td>
<td>0.5 to 4.5 VDC</td>
<td>$109.00</td>
</tr>
<tr>
<td>TPT-R02</td>
<td>250 (17.24)</td>
<td>4.75 to 5.25</td>
<td>0.5 to 4.5 VDC</td>
<td>$109.00</td>
</tr>
<tr>
<td>TPT-R03</td>
<td>500 (34.47)</td>
<td>4.75 to 5.25</td>
<td>0.5 to 4.5 VDC</td>
<td>$109.00</td>
</tr>
<tr>
<td>TPT-R04</td>
<td>1000 (68.95)</td>
<td>4.75 to 5.25</td>
<td>0.5 to 4.5 VDC</td>
<td>$109.00</td>
</tr>
<tr>
<td>TPT-R05</td>
<td>2500 (172.37)</td>
<td>4.75 to 5.25</td>
<td>0.5 to 4.5 VDC</td>
<td>$109.00</td>
</tr>
<tr>
<td>TPT-R06</td>
<td>5000 (344.74)</td>
<td>4.75 to 5.25</td>
<td>0.5 to 4.5 VDC</td>
<td>$109.00</td>
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<tr>
<td>TPT-C01</td>
<td>100 (6.89)</td>
<td>9 to 30</td>
<td>4 to 20 mA</td>
<td>$109.00</td>
</tr>
<tr>
<td>TPT-C02</td>
<td>250 (17.24)</td>
<td>9 to 30</td>
<td>4 to 20 mA</td>
<td>$109.00</td>
</tr>
<tr>
<td>TPT-C03</td>
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<td>4 to 20 mA</td>
<td>$109.00</td>
</tr>
</tbody>
</table>

**Table: ACCESSORY**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
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<tbody>
<tr>
<td>A-960</td>
<td>3 packard cable</td>
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</tbody>
</table>

*Items are subject to Schedule B discounts.*

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**Table: OPTION**

<table>
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<tr>
<th>Use order code: Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>NISTCAL-PT1</td>
<td>NIST Traceable calibration certificate $139.00</td>
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</tbody>
</table>

*Items are subject to Schedule B discounts.*