



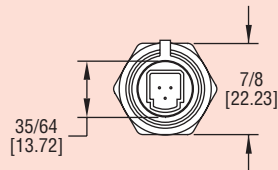
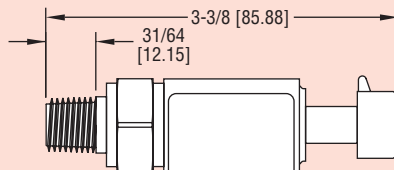
Series  
TPT

# Industrial Pressure Transmitter

17-4PH SS Wetted Parts, Packard Electrical Connection



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product video



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 piezoresistive technology with digital compensation and temperature correction, the TPT gives high accuracy and stability under harsh environmental conditions. Available in ratiometric and 4 to 20 mA outputs.

Model	Range psi (bar)	Power Requirements (VDC)	Output Signal
TPT-R01	100 (6.89)	4.75 to 5.25	0.5 to 4.5 VDC
TPT-R02	250 (17.24)	4.75 to 5.25	0.5 to 4.5 VDC
TPT-R03	500 (34.47)	4.75 to 5.25	0.5 to 4.5 VDC
TPT-R04	1000 (68.95)	4.75 to 5.25	0.5 to 4.5 VDC
TPT-R05	2500 (172.37)	4.75 to 5.25	0.5 to 4.5 VDC
TPT-R06	5000 (344.74)	4.75 to 5.25	0.5 to 4.5 VDC
TPT-C01	100 (6.89)	9 to 30	4 to 20 mA
TPT-C02	250 (17.24)	9 to 30	4 to 20 mA
TPT-C03	500 (34.47)	9 to 30	4 to 20 mA
TPT-C04	1000 (68.95)	9 to 30	4 to 20 mA
TPT-C05	2500 (172.37)	9 to 30	4 to 20 mA

## SPECIFICATIONS

**Service:** Compatible liquids and gases.

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

**Accuracy:**  $\pm 1\%$  FS (RMS).

**Stability:**  $\leq \pm 0.25\%$  FS per year.

**Temperature Limits:**  $-13^{\circ}$  to  $185^{\circ}$ F  
( $-20^{\circ}$  to  $85^{\circ}$ C).

**Compensated Temperature Range:**  
 $-13^{\circ}$  to  $185^{\circ}$ F ( $-20$  to  $85^{\circ}$ C).

**Pressure Limits:** Proof pressure: 2 x FS; Burst pressure: 3 x FS.

**Enclosure Rating:** IP65.

## OPTION

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

## ACCESSORY

**A-960**, 3' packard cable

**Thermal Effect:** Zero shift:  $\pm 0.01\%$  FS per  $1^{\circ}$ C; Span error:  $\pm 0.02\%$  FS per  $1^{\circ}$ C.

**Power Requirements:** See table.

**Output Signal:** See table.

**Loop Resistance:**  $< 100 \Omega$ .

**Electrical Connection:** Packard connector.

**Process Connections:** 1/4"-18 male NPT.

**Shock:**  $\pm 20$  g.

**Vibration:** 50 g @ 20 to 2000 Hz.

**Weight:** 0.20 lb (0.09 kg).