

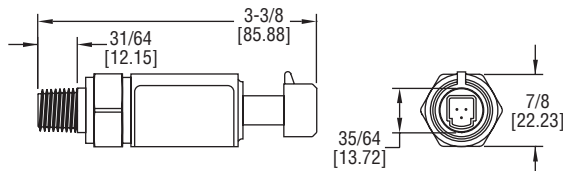


INDUSTRIAL PRESSURE TRANSMITTER

17-4PH SS Wetted Parts, Packard Electrical Connection



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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 ratiometric and 4 to 20 mA outputs.

FEATURES/BENEFITS

- High-shock and vibration resistant insures stability in controlling pressure for process applications

APPLICATIONS

- OEM
- Industrial engines
- Hydraulic systems
- Compressors
- HVAC equipment

ACCESSORY

Model	Description
A-960	3' packard cable

OPTION

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

SPECIFICATIONS

Service: Compatible liquids and gases.

Wetted Materials: 17-4PH SS.

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

Stability: $< \pm 0.25\%$ 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.

Thermal Effect: Zero shift: $\pm 0.01\%$ FS per 1° C; Span error: $\pm 0.02\%$ FS per 1° 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: ± 20 g.

Vibration: 50 g @ 20 to 2000 Hz.

Weight: 0.20 lb (0.09 kg).

MODEL CHART

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 0.5 to 4.5 VDC 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