

HIGH-ACCURACY PRESSURE TRANSMITTER WITH SHUNT CALIBRATOR FOR QUICK CALIBRATION CHECKS

PX941A Series
0-10 to 0-7500 psi
0-0.7 to 0-500 bar



PX941A-025GI, shown
smaller than actual size.



- ✓ **Stainless Steel Diaphragm for Compatibility with Most Media**
- ✓ **1/4 NPT Fitting for Fast, Easy, and Secure Installation**
- ✓ **Rugged Stainless Steel Case Protects Components from Industrial Environments**
- ✓ **Quick-Disconnect Style for Easy Field Connections**
- ✓ **2-Wire, 4 to 20 mA Output Provides Excellent Noise Immunity over Long Cable Runs**
- ✓ **Adjustable Zero and Span**
- ✓ **Units ≤50 psi are Vented Gage for High Precision**

SPECIFICATIONS

Excitation: 12 to 40 Vdc @ 20 mA

Output: 4 to 20 mA (2 wire)
(±10% adjustable)

Insulation Resistance: 5 MΩ @ 75 Vdc

PERFORMANCE

Accuracy: ±0.15% (combined effect of linearity, hysteresis and repeatability)

Shunt Value: On calibration sheet
(80% FS)

Hysteresis: ±0.10% typical

Repeatability: ±0.05% typical

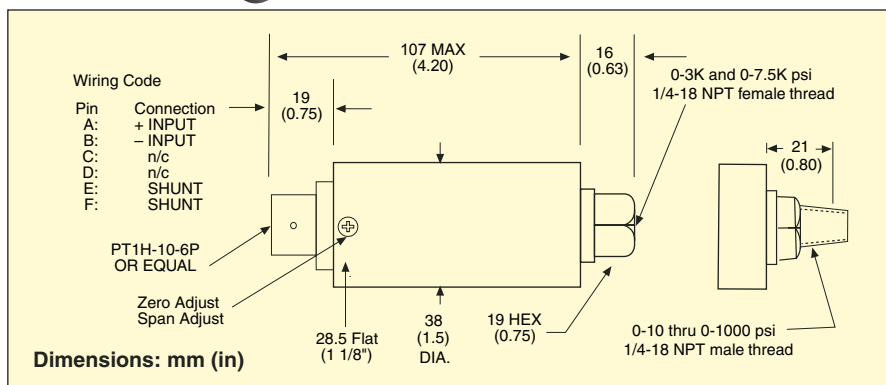
Zero Balance: 4 mA (+10%, -2% adj)

Operating Temperature Range:
-18 to 85°C (0 to 185°F)

Compensated Temperature Range:
16 to 71°C (60 to 160°F)

Thermal Zero Effect:
±0.005% full scale/°F

Thermal Sensitivity Effect:
±0.005% reading/°F



Proof Pressure: 150% range

Burst Pressure: 300% range

CONSTRUCTION

Body Material: 17-4 PH stainless steel

Diaphragm Material:
17-4 PH stainless steel

Pressure Port: 1/4-18 NPT

Male Thread: 10 to 1000 psi

Female thread: 3000 to 7500 psi

Mating Connector: PT06F10-6S-R
(not included)

Weight: 383 g (13.5 oz)

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

RANGE	MODEL NO.	PRICE	COMPATIBLE METERS*
0 to 10 psi	PX941A-010GI	\$695	DP41-E, DP25B-E, DP460
0 to 25 psi	PX941A-025GI	695	DP41-E, DP25B-E, DP460
0 to 50 psi	PX941A-050GI	670	DP41-E, DP25B-E, DP460
0 to 100 psi	PX941A-100SI	670	DP41-E, DP25B-E, DP460
0 to 200 psi	PX941A-200SI	670	DP41-E, DP25B-E, DP460
0 to 500 psi	PX941A-500SI	670	DP41-E, DP25B-E, DP460
0 to 1000 psi	PX941A-1KSI	670	DP41-E, DP25B-E, DP460
0 to 3000 psi	PX941A-3KSI	670	DP41-E, DP25B-E, DP460
0 to 5000 psi	PX941A-5KSI	670	DP41-E, DP25B-E, DP460
0 to 7500 psi	PX941A-7.5KSI	670	DP41-E, DP25B-E, DP460

Comes with 5-point calibration.

* See section D for compatible meters.

Absolute ranges available. Change "G" or "S" to "A" in model number and add \$75.

Ordering Examples: PX941A-050GI, 50 psi gage transmitter with 4 to 20 mA output, \$670.

PX941A-1KSI, 1000 psi sealed gage transmitter with 4 to 20 mA output, \$670.

PT06F10-6S-R, mating connector (not included), \$26.50.

ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
EE-2584	\$230	Reference Book: Process Plant Instrumentation