

HIGH-ACCURACY FULL BRIDGE OUTPUT PRESSURE TRANSDUCER

0-10 to 0-7500 psi
0-0.70 to 0-517 bar

PX931 Series



- ✓ Rugged Stainless Steel Case Protects Components in Industrial Environments
- ✓ Connects to a PT06F-10-6S Connector for Easy Field Connections
- ✓ Stainless Steel Diaphragm Welded for Compatibility with Most Media
- ✓ Uses a Standard 10 Vdc Regulated Power Supply for Maximum Versatility
- ✓ 1/4 NPT Process Fitting for Fast, Easy, and Secure Installation
- ✓ Excellent Temperature Stability
- ✓ Units 100 psi and Below are Vented Gage for High Precision

SPECIFICATIONS

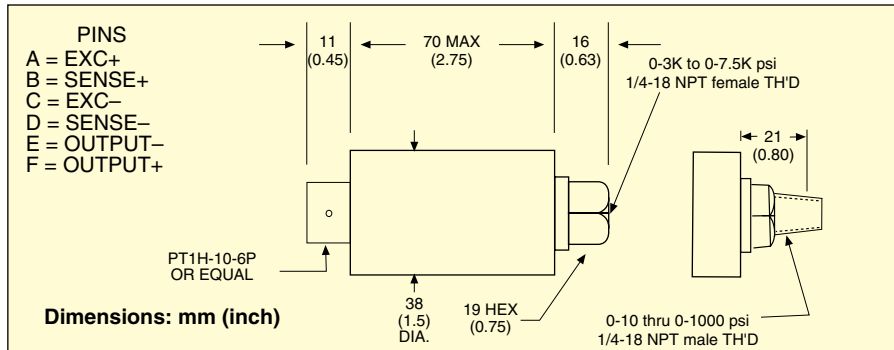
Excitation: 10 Vdc (15 Vdc max) @ 30 mA
Output: 30 mV $\pm 0.25\%$ @ 10 Vdc
Sensitivity: 3 mV/V
Input Impedance: 350 Ω min
Output Resistance: 350 $\pm 5 \Omega$
Insulation Resistance: >5 M Ω @ 75 Vdc
Accuracy: 0.15%
Hysteresis: $\pm 0.10\%$
Repeatability: $\pm 0.05\%$
Zero Balance: $\pm 1.0\%$
Shunt Calibration: 59 k Ω
Operating Temperature Range: -73 to 163°C (-100 to 325°F)
Compensated Temperature Range: 16 to 71°C (60 to 160°F)



PX931-3KSV, shown smaller than actual size.

Thermal Zero Effect: $\pm 0.005\%$ FS/ $^{\circ}$ F
Thermal Sensitivity Effect: $\pm 0.005\%$ rdg/ $^{\circ}$ F
Proof Pressure: 150% of range
Burst Pressure: 300% of range
Body Material: 17-4 PH stainless steel, hermetically sealed
Diaphragm Material: 17-4 PH SS

Pressure Port: 1/4-18 NPT
Male Thread: 10 to 1000 psi
Female Thread: 3000 to 7500 psi
Mating Connector: PT06F-10-6S (not included)
Pressure Cavity Volume: 0.171 in³
Weight: 290 g (10 oz)



To Order

RANGE	MODEL NO.	COMPATIBLE METERS*	
0 to 10 psi	0 to 0.69 bar	PX931-010GV	DP41-S, DP25B-S, DP3002-S
0 to 25 psi	0 to 1.72 bar	PX931-025GV	DP41-S, DP25B-S, DP3002-S
0 to 50 psi	0 to 3.4 bar	PX931-050GV	DP41-S, DP25B-S, DP87
0 to 100 psi	0 to 6.9 bar	PX931-100SV	DP41-S, DP25B-S, DP87
0 to 200 psi	0 to 13.8 bar	PX931-200SV	DP41-S, DP25B-S, DP3002-S
0 to 500 psi	0 to 34.5 bar	PX931-500SV	DP41-S, DP25B-S, DP87
0 to 1000 psi	0 to 68.9 bar	PX931-1KSV	DP41-S, DP25B-S, DP87
0 to 3000 psi	0 to 207 bar	PX931-3KSV	DP41-S, DP25B-S, DP41-S
0 to 5000 psi	0 to 345 bar	PX931-5KSV	DP41-S, DP25B-S, DP87
0 to 7500 psi	0 to 517 bar	PX931-7.5KSV	DP41-S, DP25B-S, DP87

Comes with 5-point calibration.

* Visit us online for compatible meters.

Absolute ranges available. Change "G" to "A" in model number, for additional cost.

Ordering Examples: PX931-500SV, 500 psi sealed gage pressure transducer.

PX931-025GV, 25 psi gage pressure transducer. PT06F-10-6S, mating connector (sold separately).



MILLIVOLT OUTPUT
PRESSURE TRANSDUCERS

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