

PC BOARD MOUNTABLE PRESSURE SENSORS IN A TRANSISTOR (TO-5*) PACKAGE, LOW COST, HIGH PERFORMANCE

- ✓ TO-5 Package Suitable for PC Board Mounting
- ✓ Gage, Absolute and Differential Models
- ✓ Full Scale Ranges from 0.3 to 100 psi
- ✓ For Clean Dry Gases

The PX70 Series is a piezoresistive pressure sensor, packaged in a TO-5 case suitable for PC board mounting. The PX70 is available in full scale ranges from 0.3 to 100 psi as well as four standard package options. The PX71 for gage and absolute ranges, is available without fittings while the PX72 has a top mounted tube fitting (bottom is vent for gage). The PX73 is also available in gage ranges and has a bottom tube fitting (top is vent). For differential measurements the PX74 has top and bottom tubes and can be used for uni- or bidirectional measurement.

SPECIFICATIONS:

Linearity: $\pm 0.5\%$ FS

Repeatability: $\pm 0.3\%$ FS

Excitation: 5 Vdc (10 Vdc Max)

Storage Temp. Range: -40 to 125°C (-40 to 257°F)

Compensated Temp. Range: -15 to 85°C (5 to 185°F)

Zero Temp Coefficient: 0.07% FS/°C

PX70 SERIES 0-0.3 to 100 psi

PX71

PX72

PX74

PX73

PX70 series
Shown Larger Than
Actual Size

PX70 Series
\$37
Basic Unit

SPECIFICATIONS (cont):

Span Temp. Coefficient: 0.05% FS/°C

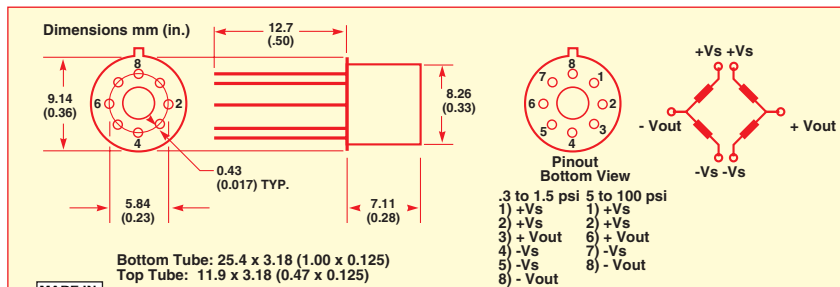
Bridge Impedance: $3300\Omega \pm 700\Omega$

Proof Pressure: Range < 100 psi
>3x FS, 100 psi range = 2x FS

Burst Pressure: Range < 100 psi
>5x FS, 100 psi range = 3x FS

Common Mode Pressure: 50 psi

Compatible Meters: DP41-S, DP25-S,
See Section D



MOST POPULAR MODELS HIGHLIGHTED

To Order (Specify Model Number)

GAGE AND DIFFERENTIAL PRESSURE RANGES	NO FITTING		TOP FITTING		BOTTOM FITTING		DIFFERENTIAL	
	MODEL NO.	PRICE	MODEL NO.	PRICE	MODEL NO.	PRICE	MODEL NO.	PRICE
0 to 0.3 psi (8.3 inH ₂ O)	PX71-0.3GV	\$44	PX72-0.3GV	\$50	PX73-0.3GV	\$53	PX74-0.3DV	\$53
0 to 0.8 psi (22 inH ₂ O)	PX71-0.8GV	44	PX72-0.8GV	50	PX73-0.8GV	53	PX74-0.8DV	53
0 to 1.5 psi	PX71-1.5GV	37	PX72-1.5GV	40	PX73-1.5GV	43	PX74-1.5DV	43
0 to 5.0 psi	PX71-005GV	37	PX72-005GV	40	PX73-005GV	43	PX74-005DV	43
0 to 15 psi	PX71-015GV	37	PX72-015GV	40	PX73-015GV	43	PX74-015DV	43
0 to 30 psi	PX71-030GV	37	PX72-030GV	40	PX73-030GV	43	PX74-030DV	43
0 to 60 psi	PX71-060GV	37	PX72-060GV	40	PX73-060GV	43	PX74-060DV	43
0 to 100 psi	PX71-100GV	40	PX72-100GV	40	PX73-100GV	43	PX74-100DV	43
ABSOLUTE PRESSURE RANGES					Sensitivity (@5Vdc excitation):			
					Range	min	Typ	Max
0 to 5.0 psia					0.0 to 0.3 psi	80	165	250 mV/psi
0 to 15 psia					0.0 to 0.8 psi	30	65	100 mV/psi
0 to 30 psia					0.0 to 1.5 psi	15	35	55 mV/psi
0 to 60 psia					0.0 to 5.0 psi	12	20	25 mV/psi
0 to 100 psia					0 to 15 psi	7.0	9.5	12 mV/psi
					0 to 30 psi	4.0	5.5	7.0 mV/psi
					0 to 60 psi	2.0	3.0	4.0 mV/psi
					0 to 100 psi	1.0	2.0	2.5 mV/psi

Comes with complete operator's manual.

Ordering Example: PX71-005AV is a PC mountable pressure sensor with no fittings, a 0 to 5 psi absolute pressure range, \$40.

* TO-5 refers to the industries name for this size case.