

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

PX70 Series
0-0.3 to 100 psi
0-0.02 to 0-6.9 bar

Starts at
\$37



- ✓ 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

No Fitting
PX71



PX71-005GV, \$37, shown 2x actual size.

Top Fitting
PX72



PX72-015GV, \$40, shown 2x actual size.

The PX70 Series piezoresistive pressure sensors are 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 4 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 unidirectional 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
Span Temp Coefficient: 0.05% FS/°C
Bridge Impedance: 3300 \pm 700 Ω
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)

ALL MODELS AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

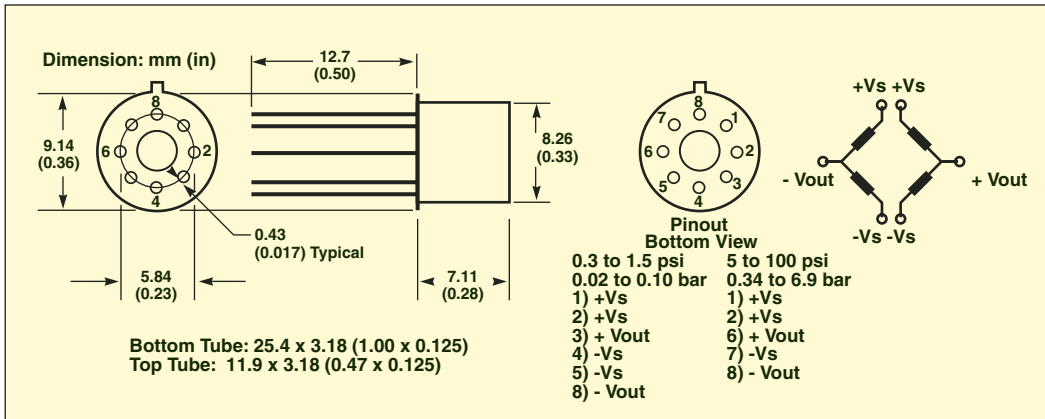
GAGE AND DIFFERENTIAL PRESSURE RANGES		MODEL NO.	PRICE
0 to 0.3 psi (8.3 inH ₂ O)	0 to 0.02 bar (2 kPa)	PX71-0.3GV	\$44
0 to 0.8 psi (22 inH ₂ O)	0 to 0.05 bar (5 kPa)	PX71-0.8GV	44
0 to 1.5 psi (42 inH ₂ O)	0 to 0.10 bar (10 kPa)	PX71-1.5GV	37
0 to 5.0 psi	0 to 0.34 bar	PX71-005GV	37
0 to 15 psi	0 to 1.0 bar	PX71-015GV	37
0 to 30 psi	0 to 2.1 bar	PX71-030GV	37
0 to 60 psi	0 to 4.1 bar	PX71-060GV	37
0 to 100 psi	0 to 6.9 bar	PX71-100GV	40
ABSOLUTE PRESSURE RANGES†			
0 to 5.0 psia	0 to 0.34 bar	PX71-005AV	\$40
0 to 15 psia	0 to 1.0 bar	PX71-015AV	40
0 to 30 psia	0 to 2.1 bar	PX71-030AV	40
0 to 60 psia	0 to 4.1 bar	PX71-060AV	40
0 to 100 psia	0 to 6.9 bar	PX71-100AV	40
GAGE AND DIFFERENTIAL PRESSURE RANGES		MODEL NO.	PRICE
0 to 0.3 psi (8.3 inH ₂ O)	0 to 0.02 bar (2 kPa)	PX72-0.3GV	\$50
0 to 0.8 psi (22 inH ₂ O)	0 to 0.05 bar (5 kPa)	PX72-0.8GV	50
0 to 1.5 psi (42 inH ₂ O)	0 to 0.10 bar (10 kPa)	PX72-1.5GV	40
0 to 5.0 psi	0 to 0.34 bar	PX72-005GV	40
0 to 15 psi	0 to 1.0 bar	PX72-015GV	40
0 to 30 psi	0 to 2.1 bar	PX72-030GV	40
0 to 60 psi	0 to 4.1 bar	PX72-060GV	40
0 to 100 psi	0 to 6.9 bar	PX72-100GV	40
ABSOLUTE PRESSURE RANGES†			
0 to 5.0 psia	0 to 0.34 bar	PX72-005AV	\$40
0 to 15 psia	0 to 1.0 bar	PX72-015AV	40
0 to 30 psia	0 to 2.1 bar	PX72-030AV	40
0 to 60 psia	0 to 4.1 bar	PX72-060AV	40
0 to 100 psia	0 to 6.9 bar	PX72-100AV	40

* TO-5 refers to the industry's name for this size case.

PC BOARD MOUNTABLE PRESSURE SENSORS



MILLIVOLT OUTPUT
PRESSURE TRANSDUCERS
B



Bottom Fitting PX73



PX73-015GV, \$43,
shown 2x actual size.

ALL MODELS AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

GAGE AND DIFFERENTIAL PRESSURE RANGES		MODEL NO.	PRICE
0 to 0.3 psi (8.3 inH ₂ O)	0 to 0.02 bar (2 kPa)	PX73-0.3GV	\$53
0 to 0.8 psi (22 inH ₂ O)	0 to 0.05 bar (5 kPa)	PX73-0.8GV	53
0 to 1.5 psi (42 inH ₂ O)	0 to 0.10 bar (10 kPa)	PX73-1.5GV	43
0 to 5.0 psi	0 to 0.34 bar	PX73-005GV	43
0 to 15 psi	0 to 1.0 bar	PX73-015GV	43
0 to 30 psi	0 to 2.1 bar	PX73-030GV	43
0 to 60 psi	0 to 4.1 bar	PX73-060GV	43
0 to 100 psi	0 to 6.9 bar	PX73-100GV	43

Differential PX74



PX74-015DV, \$43,
shown 2x actual size.

ALL MODELS AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

GAGE AND DIFFERENTIAL PRESSURE RANGES		MODEL NO.	PRICE
0 to 0.3 psi (8.3 inH ₂ O)	0 to 0.02 bar (2 kPa)	PX74-0.3DV	\$53
0 to 0.8 psi (22 inH ₂ O)	0 to 0.05 bar (5 kPa)	PX74-0.8DV	53
0 to 1.5 psi (42 inH ₂ O)	0 to 0.10 bar (10 kPa)	PX74-1.5DV	43
0 to 5.0 psi	0 to 0.34 bar	PX74-005DV	43
0 to 15 psi	0 to 1.0 bar	PX74-015DV	43
0 to 30 psi	0 to 2.1 bar	PX74-030DV	43
0 to 60 psi	0 to 4.1 bar	PX74-060DV	43
0 to 100 psi	0 to 6.9 bar	PX74-100DV	43

Comes with complete operator's manual.

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

† Not suitable for helium or
hydrogen applications.

SENSITIVITY (@ 5 Vdc EXCITATION)*

RANGE	MIN	TYP	MAX
0.0 to 0.3 psi	80	165	250 mV/psi
0.0 to 0.8 psi	30	65	100 mV/psi
0.0 to 1.5 psi	15	35	55 mV/psi
0.0 to 5.0 psi	12	20	25 mV/psi
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

ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
CE-1910	\$185	Reference Book: Applied Structural and Mechanical Vibrations