

SILICON/BRASS PRESSURE TRANSDUCERS WITH MILLIVOLT OUTPUT

0 to -14.7 to 0-500 psi
0 to -1.0 to 0-34.5 bar

PX180B Series

- ✓ Excellent Total Accuracy and Interchangeability
- ✓ Gage Pressure, Vacuum, and Compound Ranges Available
- ✓ Rugged, Compact Design
- ✓ RFI/EMI Protection
- ✓ Reverse Polarity Protection

TRODEKS's PX180B Series transducers, designed for general industrial and commercial requirements, offer excellent performance in a wide range of applications. They are based on proven micro-machined silicon technology, providing high reliability, long-term stability, and low cost. They are extremely accurate, with less than 0.3% reference accuracy.

SPECIFICATIONS

Excitation: 10 Vdc (regulated)

Output: 0 to 50 mV for 0 to 1 psi model, 0 to 100 mVdc for all other ranges

Load Resistance: 50,000 Ω minimum

Accuracy: 0.3% BFSI maximum (includes linearity, hysteresis and repeatability)

Operating Temperature: -40 to 80°C (-40 to 176°F)

Compensated Temperature: -25 to 75°C (-13 to 167°F)

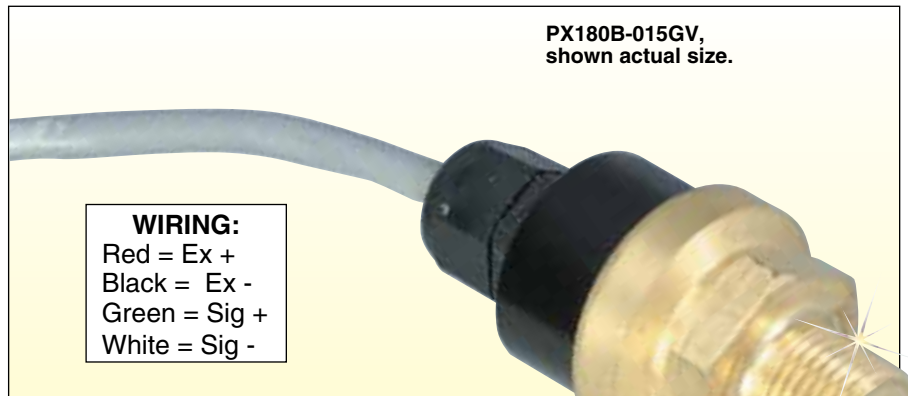
Process Temperature: -40 to 100°C (-40 to 212°F)

Thermal Zero Effect: 2% FS maximum over compensated temperature range

Thermal Span Effect: 2% FS maximum over compensated temperature range

1-Year Stability: <0.25% FS

Proof Pressure: 2x FS (750 psig for 500 psig range)



Burst Pressure: 3x FS or 750 psig, whichever is less

Wetted Parts: Brass, borosilicate, silicon, RTV and epoxy

Vibration: 10 g, 55 to 2000 Hz

Shock: 30 g

Process Connection: 1/8 NPT male

Electrical Connection: 0.4 m (18") 24-gage shielded cable

Weight: 142 g (5 oz)

Dimensions: 1 1/8 hex; 72 H x 29.7 mm Dia. (2.84 x 1.17")

Metric thread
adaptors available
online

To Order

GAGE PRESSURE RANGES

psi	bar	MODEL NO.	COMPATIBLE METERS*
0 to -14.7	0 to -1.0	PX180B-015VACV	DP25B-S, DP41-S, DPiS Series
0 to 1	0 to 68.9 mbar	PX180B-001GV	DP25B-S, DP41-S, DPiS Series
0 to 6	0 to 414 mbar	PX180B-006GV	DP25B-S, DP41-S, DPiS Series
0 to 15	0 to 1.0	PX180B-015GV	DP25B-S, DP41-S, DPiS Series
0 to 30	0 to 2.1	PX180B-030GV	DP25B-S, DP41-S, DPiS Series
0 to 60	0 to 4.1	PX180B-060GV	DP25B-S, DP41-S, DPiS Series
0 to 100	0 to 6.9	PX180B-100GV	DP25B-S, DP41-S, DPiS Series
0 to 200	0 to 13.8	PX180B-200GV	DP25B-S, DP41-S, DPiS Series
0 to 300	0 to 20.7	PX180B-300GV	DP25B-S, DP41-S, DPiS Series
0 to 500	0 to 34.5	PX180B-500GV	DP25B-S, DP41-S, DPiS Series

COMPOUND PRESSURE RANGES

-14.7 to 15	-1.0 to 1.0	PX180B-015CV	DP25B-S, DP41-S, DPiS Series
-14.7 to 30	-1.0 to 2.1	PX180B-030CV	DP25B-S, DP41-S, DPiS Series
-14.7 to 60	-1.0 to 4.1	PX180B-060CV	DP25B-S, DP41-S, DPiS Series

ACCESSORIES

MODEL NO.	DESCRIPTION
PS-8E	Pressure snubber for water or light oils
PS-8D	Pressure snubber for dense liquids or oils
PS-8G	Pressure snubber for gases and steam

Comes complete with operator's manual.

* Visit us online for compatible meters.

Ordering Example: PX180B-100GV, 0 to 100 psig transducer with 0 to 100 millivolt output.