

FAST-RESPONSE VOLTAGE OUTPUT PRESSURE TRANSDUCER

PRESSURE RANGES FROM 6 TO 2000 psig

0-6 to 0-2000 psig
0-4 to 0-138 bar

PX105 Series

- ✓ Typical Accuracy: $\pm 0.5\%$
- ✓ Fully Calibrated and Temperature Compensated
- ✓ Internal Voltage Regulation
- ✓ Interchangeable Unit to Unit $\pm 1\%$
- ✓ Computer Trimmed to Ensure Accuracy and Repeatability
- ✓ Long-Term Stability: $\pm 1\%$
- ✓ Operating Temperature Range: -55 to 125°C (-67 to 257°F)
- ✓ Rugged Temperature-Resistant Valox® Case and Connector

SPECIFICATIONS

Excitation: 8 to 20 Vdc at 15 mA

Output: 1 to 6 Vdc

Accuracy: $\pm 1\%$ FS maximum

Linearity:

<50 psi: $\pm 0.5\%$ FS

≥ 50 psi: $\pm 0.2\%$ FS

Hysteresis: $\pm 0.25\%$ FS

Zero Balance: $\pm 1\%$ FS typical
 $\pm 3\%$ full scale maximum

Frequency Response: 3 dB at 1.5 kHz

Compensated Temperature Range: 0 to 85°C (32 to 185°F)

Thermal Zero Effect: $\pm 0.02\%$ rdg/ $^\circ\text{C}$ ($\pm 0.01\%$ rdg/ $^\circ\text{F}$)

Proof Pressure: 2x FS

Burst Pressure: 5x FS minimum
(6, 15, 25, psig = 20 x FS)

Gages: Piezoresistive

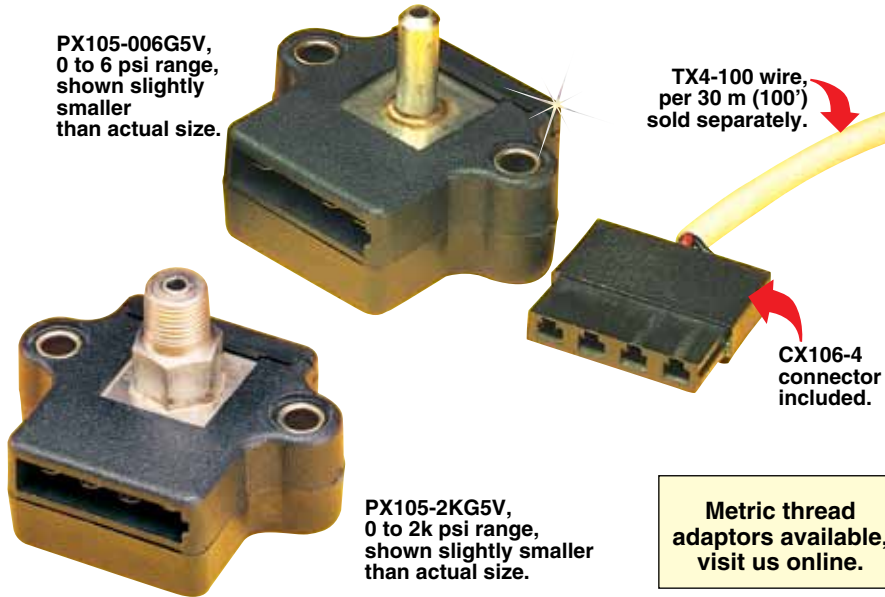
Diaphragm/Port Material:

300 Series SS (silver, copper, nickel, cadmium brazed)

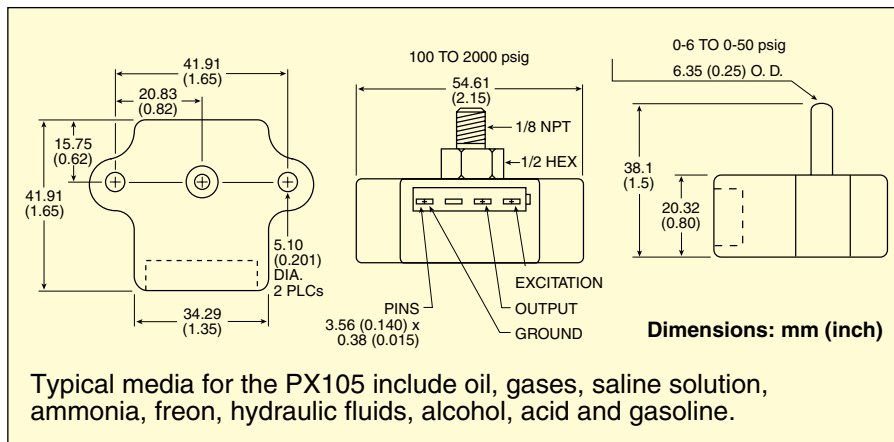
Electrical Connection: CX106-4, included

Weight: 114 g (4 oz)

PX105-006G5V,
0 to 6 psi range,
shown slightly
smaller
than actual size.



Metric thread
adaptors available,
visit us online.



To Order

RANGE		MODEL NO.	COMPATIBLE METERS*
0 to 6 psig	0 to 0.41 bar	PX105-006G5V	DP25B-E, DP41-E, DP24-E
0 to 15 psig	0 to 1.0 bar	PX105-015G5V	DP25B-E, DP41-E, DP24-E
0 to 25 psig	0 to 1.7 bar	PX105-025G5V	DP25B-E, DP41-E, DP24-E
0 to 50 psig	0 to 3.4 bar	PX105-050G5V	DP25B-E, DP41-E, DP24-E
0 to 200 psig	0 to 13.8 bar	PX105-200G5V	DP25B-E, DP41-E, DP24-E
0 to 500 psig	0 to 34.5 bar	PX105-500G5V	DP25B-E, DP41-E, DP24-E
0 to 1000 psig	0 to 68.9 bar	PX105-1KG5V	DP25B-E, DP41-E, DP24-E
0 to 2000 psig	0 to 138 bar	PX105-2KG5V	DP25B-E, DP41-E, DP24-E

Comes complete with operator's manual.

* Visit us online for compatible meters.

Ordering Example: PX105-006G5V, range of 0 to 6 psig.

ACCESSORIES

MODEL NO.	DESCRIPTION
CX106-4	Spare connector for PX105 transducer
TX4-100	30 m (100') 4-conductor shielded wire