

MINIATURE FLUSH DIAPHRAGM PRESSURE TRANSDUCER

1/4 NPT PRESSURE CONNECTION

PX61C Series
mV/V Output
0-50 to 0-5000 psi
0-3.4 to 0-345 bar

All Ranges
\$425



Shown larger than
actual size.



PX61C1-050GV, \$425,
shown actual size.



Standard

- ✓ Miniature Flush Diaphragm
- ✓ Flush Diaphragm for Precise Measurements
- ✓ All Welded Construction

SPECIFICATIONS

Excitation: 5 Vdc

Output Range: Range @ 50 psi =
1 mV/V; range >100 psi: 2 mV/V

Bridge Resistance: 350 Ω nominal

Zero Balance: $\pm 1.0\%$ of FSO

Accuracy: 1.0% linearity and
hysteresis combined; calibrated at
0%, 50%, 100%, 50%, 0%

Repeatability: 0.1% of FSO

Operating Temperature Range:
-54 to 150°C (-65 to 300°F)

Compensated Temperature Range:
16 to 71°C (60 to 160°F)

Thermal Effects:

Zero: $\pm 0.01\%$ FS/°F

Span: $\pm 0.02\%$ FSO/°F

Proof Pressure: 150% of capacity

Burst Pressure: 500% of capacity or
10,000 psi, whichever is less

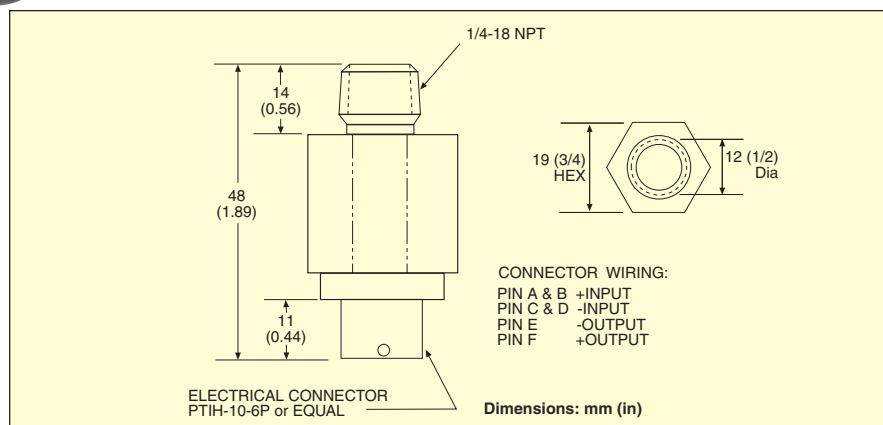
Electrical Connections: PTIH-10-6P
connector

Mating Connector: PT06F10-6S
(sold separately)

Pressure Connection: 1/4-18 NPT

Wetted Parts: 17-4 PH stainless steel

Weight: 50 g (0.55 oz)



MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

RANGE		MODEL NO.	PRICE	COMPATIBLE METERS*
ABSOLUTE PRESSURE (All Ranges Available in Absolute Pressure)				
0 to 50 psi	0 to 3.4 bar	PX61C1-050AV	\$425	DP41-S, DP25B-S
0 to 100 psi	0 to 6.9 bar	PX61C1-100AV	425	DP41-S, DP25B-S
GAGE PRESSURE (All Ranges Also Available in Sealed Gage Pressure)				
0 to 50 psi	0 to 3.4 bar	PX61C1-050GV	\$425	DP41-S, DP25B-S
0 to 100 psi	0 to 6.9 bar	PX61C1-100GV	425	DP41-S, DP25B-S
0 to 200 psi	0 to 13.8 bar	PX61C1-200GV	425	DP41-S, DP25B-S
0 to 300 psi	0 to 20.7 bar	PX61C1-300GV	425	DP41-S, DP25B-S
0 to 500 psi	0 to 34.5 bar	PX61C1-500GV	425	DP41-S, DP25B-S
0 to 1000 psi	0 to 68.9 bar	PX61C1-1KGV	425	DP41-S, DP25B-S
0 to 2500 psi	0 to 172 bar	PX61C1-2.5KGV	425	DP41-S, DP25B-S
0 to 4000 psi	0 to 276 bar	PX61C1-4KGV	425	DP41-S, DP25B-S
0 to 5000 psi	0 to 345 bar	PX61C1-5KGV	425	DP41-S, DP25B-S

Comes complete with 5-point NIST-traceable calibration.

* See section D for compatible meters.

Metric ranges available – Consult Engineering.

To order sealed gage pressure models, replace "G" in model number with "S" (no extra charge).

To order absolute pressure models, replace "G" in model number with "A" (no extra charge).

Ordering Examples: PX61C1-100AV, 100 psi absolute pressure transducer with PTIH-10-6P electrical connection and 1/4-18 NPT male pressure port, \$425. PT06F10-6S, mating connector (sold separately), \$26.50.

PX61C1-100SV, 100 psi sealed gage pressure transducer with PTIH-10-6P electrical connection and 1/4-18 NPT male pressure port, \$425. PT06F10-6S, mating connector (sold separately), \$26.50.

ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
PT06F10-6S	\$26.50	Mating connector for PX61C series transducers

