

MINIATURE FLUSH DIAPHRAGM PRESSURE TRANSDUCER

1/4 NPT PRESSURE CONNECTION

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

PX61C Series
All Ranges

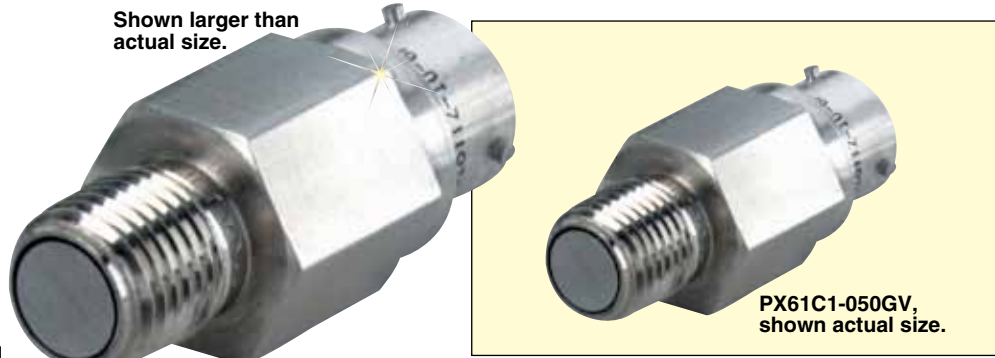


- ✓ Miniature Flush Diaphragm
- ✓ Flush Diaphragm for Precise Measurements
- ✓ All Welded Construction

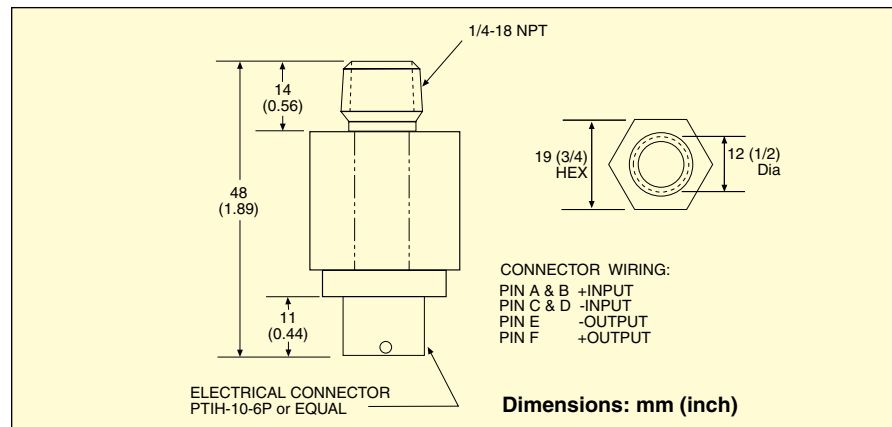
SPECIFICATIONS

Excitation: 5 Vdc
Output Range: Range @ 50 psi = 1 mV/V; range >100 psi: 2 mV/V
Bridge Resistance: 350 Ω nominal
Zero Balance: ±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 121°C (-65 to 250°F)
Compensated Temperature Range: 16 to 71°C (60 to 160°F)
Thermal Effects:
Zero: ±0.01% FS/°F
Span: ±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-R (sold separately)
Pressure Connection: 1/4-18 NPT
Wetted Parts: 17-4 PH stainless steel
Weight: 50 g (0.55 oz)

Shown larger than actual size.



PX61C1-050GV, shown actual size.



To Order

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

Comes complete with 5-point NIST-traceable calibration.

* Visit us online 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. **PT06F10-6S-R**, mating connector (sold separately).

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

ACCESSORY

MODEL NO.	DESCRIPTION
PT06F10-6S-R	Mating connector for PX61C series transducers

