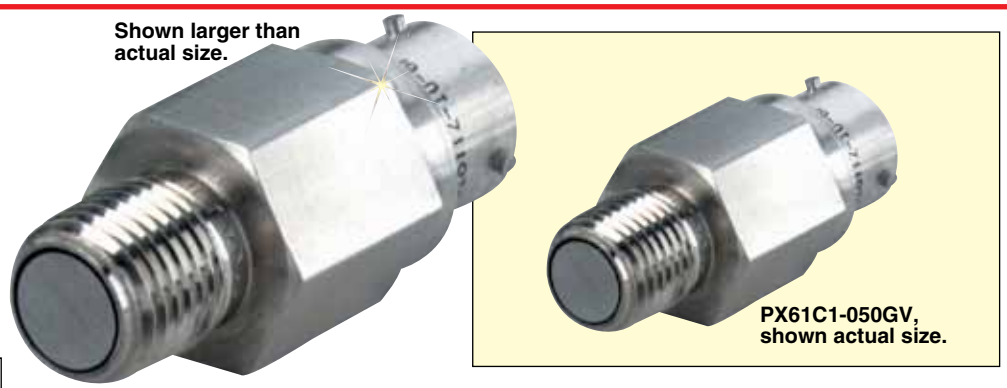
MINIATURE FLUSH DIAPHRAGM PRESSURE TRANSDUCER
¼ NPT PRESSURE CONNECTION

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

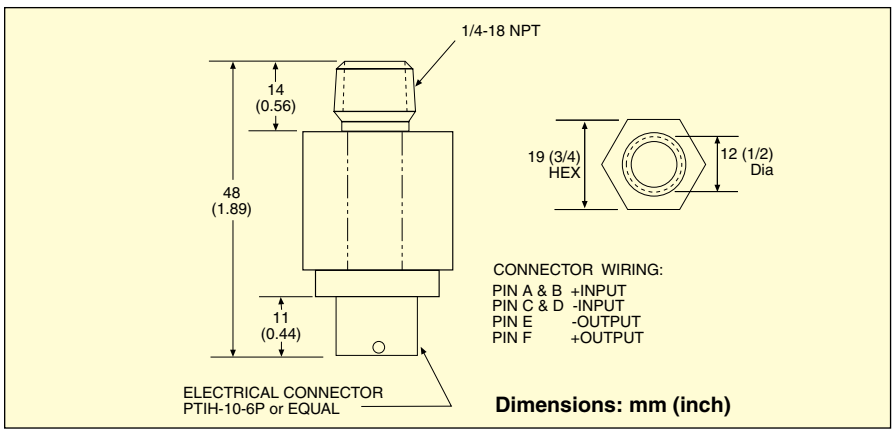
Shown larger than actual size.



PX61C1-050GV, shown actual size.

PX61C Series
All Ranges

NIST CE RoHS
Standard

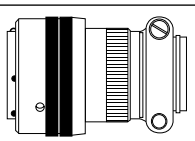


Dimensions: mm (inch)

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

SPECIFICATIONS

Excitation: 5 Vdc
Output Range: 2 mV/V -30% +50% (For 50 PSI, 1 mV/V -30% +50%)
Bridge Resistance: 350 Ω nominal
Zero Balance: ±3.0% 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: ±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 (sold separately)
Pressure Connection: ¼-18 NPT
Wetted Parts: 17-4 PH stainless steel
Weight: 50 g (0.55 oz)



Mating Connector PT06F10-6S

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 ¼-18 NPT male pressure port. **PT06F10-6S,** mating connector (sold separately).*
***PX61C1-100SV,** 100 psi sealed gage pressure transducer with PTIH-10-6P electrical connection and ¼-18 NPT male pressure port. **PT06F10-6S,** mating connector (sold separately).*

ACCESSORY

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