

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

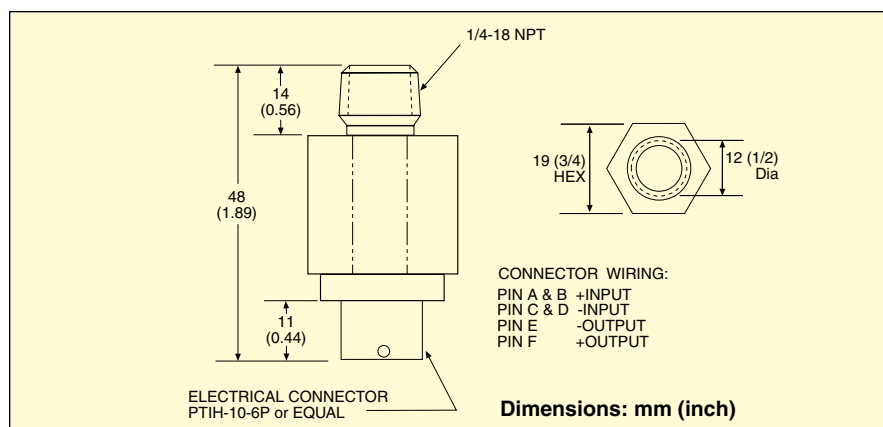
Wetted Parts: 17-4 PH stainless steel

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.

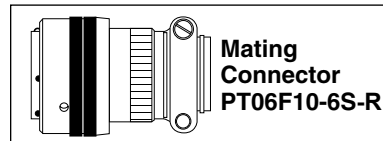
To order sealed gage pressure models, replace "G" in model number with "S" (no extra charge). To order absolute pressure models, replace "G" in model number with "A" (no extra charge).

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

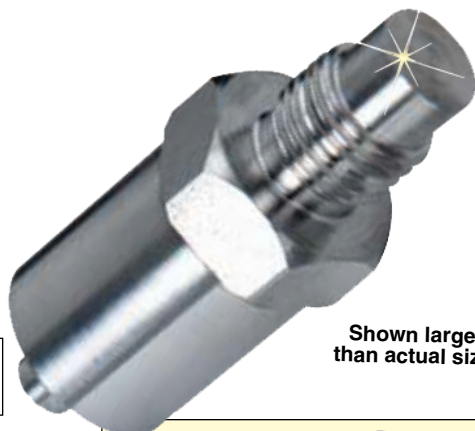


MINIATURE FLUSH DIAPHRAGM PRESSURE TRANSDUCER

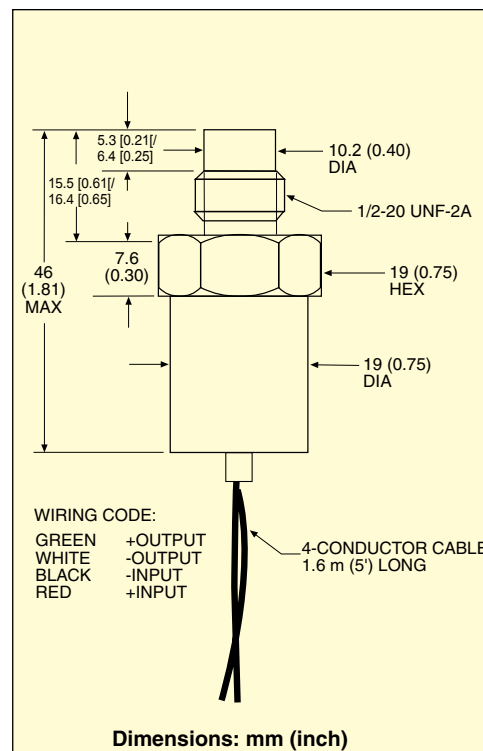
1/2-20 UNF PRESSURE CONNECTION

mV/V Output
0-50 to 0-15,000 psi
0-3 to 0-1000 bar

PX61V Series All Ranges



Shown larger
than actual size.



- ✓ Miniature Flush Diaphragm
- ✓ All Stainless Steel Construction
- ✓ Available in psia, psis, psig, and Metric Ranges

SPECIFICATIONS

Excitation: 5 Vdc

Output: 2 mV/V -20% +50%
(1 mV/V 50 psi ranges)

Accuracy: 1.0% linearity and hysteresis combined

Repeatability: ±0.1% of FSO

Balance: ±2.0% of FSO

Bridge Resistance: 350 Ω nominal

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 Minimum:

300% of capacity or 30,000 psi,
whichever is less

Electrical Connections: 1.5 m (5');
4-conductor cable or PTIH-10-6P
connector

Pressure Connection: 1/2-20 UNF-2A

Wetted Parts: 17-4 PH stainless steel

ACCESSORY

MODEL NO.	DESCRIPTION
PT06F10-6S-R	Mating connector for PX61V1series transducers

To Order

RANGE		MODEL NO.	COMPATIBLE METERS**
ABSOLUTE PRESSURE (All Ranges Available in Absolute Pressure)			
0 to 50 psi	0 to 3.4 bar	PX61V[*]-050AV	DP41-S, DP25B-S
0 to 100 psi	0 to 6.9 bar	PX61V[*]-100AV	DP41-S, DP25B-S
GAGE PRESSURE (All Ranges Also Available in Sealed Gage Pressure)			
0 to 50 psi	0 to 3.4 bar	PX61V[*]-050GV	DP41-S, DP25B-S
0 to 100 psi	0 to 6.9 bar	PX61V[*]-100GV	DP41-S, DP25B-S
0 to 150 psi	0 to 10.3 bar	PX61V[*]-150GV	DP41-S, DP25B-S
0 to 200 psi	0 to 13.8 bar	PX61V[*]-200GV	DP41-S, DP25B-S
0 to 300 psi	0 to 20.7 bar	PX61V[*]-300GV	DP41-S, DP25B-S
0 to 500 psi	0 to 34.5 bar	PX61V[*]-500GV	DP41-S, DP25B-S
0 to 1000 psi	0 to 68.9 bar	PX61V[*]-1KGV	DP41-S, DP25B-S
0 to 2500 psi	0 to 172 bar	PX61V[*]-2.5KGV	DP41-S, DP25B-S
0 to 5000 psi	0 to 345 bar	PX61V[*]-5KGV	DP41-S, DP25B-S
0 to 10,000 psi	0 to 689 bar	PX61V[*]-10KGV	DP41-S, DP25B-S
0 to 15,000 psi	0 to 1034 bar	PX61V[*]-15KGV	DP41-S, DP25B-S†

Comes complete with 5-point NIST-traceable calibration.
Engineering.

Metric ranges available – Consult

† 4-digit meter, counts in increments of 10.

** Visit us online for compatible meters.

[*] To order cable style insert "0", to order connector style insert "1".

To order psia models, replace "G" in model number with "A".

To order psis models, replace "G" in model number with "S".

Ordering Examples: PX61V0-100AV, 100 psi absolute pressure transducer with 1.5 m (5') cable and 1/2-20 UNF male pressure port.

PX61V0-100SV, 100 psi sealed gage pressure transducer with 1.5 m (5') cable and 1/2-20 UNF male pressure port.

