

THIN-FILM PRESSURE SENSOR

100 mV OUTPUT

EXCELLENT LONG-TERM STABILITY

0-15 to 0-20,000 psi
0-1.0 to 0-1379 bar

PX602/PX612 Series



- ✓ All Stainless Steel Case
- ✓ Small and Lightweight
- ✓ NEMA 4 (IP65) Cable or Connector Models

SPECIFICATIONS

Excitation: 10 Vdc (5 to 10 Vdc limits)

Output: 0 to 100 mV @ 10 Vdc

Sensitivity: 10 mV/V

Input Impedance: 1500 Ω

Output Impedance: 100 Ω

Insulation Resistance: 100 MΩ @ 50 Vdc

Accuracy: ±0.4% BFLS

Hysteresis: ±0.2%

Repeatability: ±0.05%

Stability: ±1%/year

Zero Balance: ±1%

Durability: 100 million cycles

Operating Temp: -48 to 91°C (-55 to 195°F)

Compensated Temp: -29 to 82°C (-20 to 180°F)

Thermal Zero Effect: ±0.07% full scale/°C

Thermal Span Effect: ±0.07% full scale/°C

Proof Pressure:

15 to 2000 psi = 200%

3000 to 5000 psi = 150%

7500 to 20,000 psi = 120%

Burst Pressure:

15 to 2000 psi = 800%

3000 to 20,000 psi = 500%

Gages: Thin film polysilicon

Diaphragm: 17-4 PH stainless steel

Case: 300 Series stainless steel

Pressure Connection:

15 to 10,000 psi: ¼ NPT

15,000 and 20,000 psi: ⅜-18 UNF Aminco fitting

Electrical Connection: 0.9 m (36") braided-shield PVC cable or connector

Weight: 71 g (2.5 oz.) without cable

Response time: 5 ms

Construction: Sealed units (except PX602 ≤ 500 psi is vented to room)

PX612-100GV,
connector
style.

Actual size.

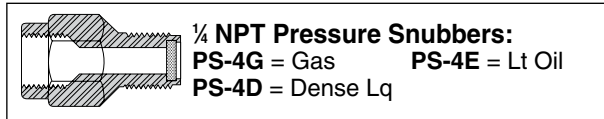
PX602-1KGV,
cable style.

PT06F8-4S
mating connector,
sold separately.

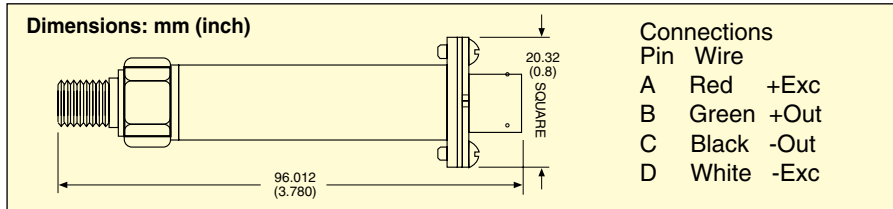


MILLIVOLT OUTPUT
PRESSURE TRANSDUCERS

B



Metric thread
adaptors available,
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Connections	Pin	Wire
A	Red	+Exc
B	Green	+Out
C	Black	-Out
D	White	-Exc

To Order

RANGE		MODEL NO. [] Insert 0 or 1	COMPATIBLE METERS**
psi	bar		
0 to 15	0 to 1.0	PX6[*]2-015GV	DP41-S, DP25B-S, DP302-S
0 to 30	0 to 2.1	PX6[*]2-030GV	DP41-S, DP25B-S, DP302-S
0 to 60	0 to 4.1	PX6[*]2-060GV	DP41-S, DP25B-S, DP302-S
0 to 100	0 to 6.9	PX6[*]2-100GV	DP41-S, DP25B-S, DP302-S
0 to 150	0 to 10.3	PX6[*]2-150GV	DP41-S, DP25B-S, DP302-S
0 to 200	0 to 13.8	PX6[*]2-200GV	DP41-S, DP25B-S, DP302-S
0 to 300	0 to 20.7	PX6[*]2-300GV	DP41-S, DP25B-S, DP302-S
0 to 500	0 to 34.5	PX6[*]2-500GV	DP41-S, DP25B-S, DP302-S
0 to 1000	0 to 68.9	PX6[*]2-1KGV	DP41-S, DP25B-S, DP302-S
0 to 2000	0 to 138	PX6[*]2-2KGV	DP41-S, DP25B-S, DP302-S
0 to 3000	0 to 207	PX6[*]2-3KGV	DP41-S, DP25B-S, DP87
0 to 5000	0 to 345	PX6[*]2-5KGV	DP41-S, DP25B-S, DP87
0 to 7500	0 to 517	PX6[*]2-7.5KGV	DP41-S, DP25B-S, DP87
0 to 10,000	0 to 689	PX6[*]2-10KGV	DP41-S, DP25B-S, DP87
0 to 15,000	0 to 1034	PX6[*]2-15KGV†	DP41-S, DP87
0 to 20,000	0 to 1379	PX6[*]2-20KGV†	DP41-S, DP87

Comes complete with operator's manual.

* Specify "0" for PX602 style with 0.9 m (36") cable, or "1" for PX612 style with connector.

† 15,000 and 20,000 psi models supplied with female Aminco pressure connection fitting.

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Ordering Examples: PX612-100GV, 100 psi connector-style transducer.

PX602-100GV, 100 psi cable-style transducer, DP41-S, meter.

PT06F8-4S, mating connector (sold separately), PS-4G, D or E snubber.

ACCESSORY

MODEL NO.	DESCRIPTION
PT06F8-4S	Mating connector for PX612 series transducers