

# THIN-FILM PRESSURE SENSOR

## 100 mV OUTPUT

### EXCELLENT LONG-TERM STABILITY

## PX602/PX612 Series

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



Starts at  
**\$220**

- ✓ 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% BFSL

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% FS/°C

Thermal Span Effect: ±0.07% FS/°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: ⅝-18

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

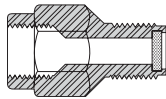
Construction: Sealed units (except PX602 ≤ 500 psi is vented to room)

PX612-100GV,  
connector  
style, \$245.

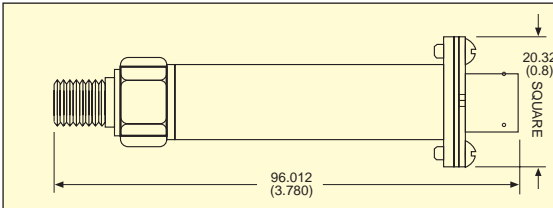
PX602-1KGV,  
cable style,  
\$220.

PT06F8-4S mating  
connector, \$24,  
sold separately.

PS-4 snubbers  
sold separately.



¼ NPT Pressure Snubbers: \$10  
PS-4G = Gas PS-4E = Lt Oil  
PS-4D = Dense Lq



Connections  
Pin Wire  
A Red +Exc  
B Green +Out  
C Black -Out  
D White -Exc



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MILLIVOLT OUTPUT  
PRESSURE TRANSDUCERS  
**B**

**MOST POPULAR MODELS HIGHLIGHTED!**

### To Order (Specify Model Number)

RANGE		MODEL NO. [ ] Insert 0 or 1	PRICE PX602	PRICE PX612	COMPATIBLE METERS**
psi	bar				
0 to 15	0 to 1.0	PX6[ ] 2-015GV	\$230	\$260	DP41-S, DP25B-S, DP302-S
0 to 30	0 to 2.1	PX6[ ] 2-030GV	230	260	DP41-S, DP25B-S, DP302-S
0 to 60	0 to 4.1	PX6[ ] 2-060GV	220	245	DP41-S, DP25B-S, DP302-S
0 to 100	0 to 6.9	PX6[ ] 2-100GV	220	245	DP41-S, DP25B-S, DP302-S
0 to 150	0 to 10.3	PX6[ ] 2-150GV	220	245	DP41-S, DP25B-S, DP302-S
0 to 200	0 to 13.8	PX6[ ] 2-200GV	220	245	DP41-S, DP25B-S, DP302-S
0 to 300	0 to 20.7	PX6[ ] 2-300GV	220	245	DP41-S, DP25B-S, DP302-S
0 to 500	0 to 34.5	PX6[ ] 2-500GV	220	245	DP41-S, DP25B-S, DP302-S
0 to 1000	0 to 68.9	PX6[ ] 2-1KGV	220	245	DP41-S, DP25B-S, DP302-S
0 to 2000	0 to 138	PX6[ ] 2-2KGV	220	245	DP41-S, DP25B-S, DP302-S
0 to 3000	0 to 207	PX6[ ] 2-3KGV	220	245	DP41-S, DP25B-S, DP87
0 to 5000	0 to 345	PX6[ ] 2-5KGV	220	245	DP41-S, DP25B-S, DP87
0 to 7500	0 to 517	PX6[ ] 2-7.5KGV	220	245	DP41-S, DP25B-S, DP87
0 to 10,000	0 to 689	PX6[ ] 2-10KGV	250	275	DP41-S, DP25B-S, DP87
0 to 15,000	0 to 1034	PX6[ ] 2-15KGV*	260	290	DP41-S, DP87
0 to 20,000	0 to 1379	PX6[ ] 2-20KGV*	260	290	DP41-S, DP87

Comes with complete operator's manual.

\* 15,000 and 20,000 psi models supplied with female Aminco fitting.

\*\* See section D for compatible meters.

Ordering Examples: PX612-100GV, 100 psi connector-style transducer, \$245.

PX602-100GV, 100 psi cable-style transducer, \$220. DP41-S, meter, \$545.

PT06F8-4S, mating connector (sold separately), \$24. PS-4, snubber, \$10.

### ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
GE-2117	\$23	Reference Book: Controller Tuning PID Without Math

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