

# MINIATURE FLUSH DIAPHRAGM PRESSURE TRANSDUCER

## 7/16-20 UNF THREAD

**0-50 to 0-15,000 psi**  
**0-3.4 to 0-1034 bar**

### PX610 Series



- ✓ **Stainless Steel Diaphragm for Compatibility with Most Media**
- ✓ **Rugged Stainless Steel Case Protects Components in Industrial Environments**
- ✓ **Custom Subminiature Design Techniques Provide Small Size and Preserve Accuracy**
- ✓ **7/16" UNF Process Threading for Fast, Easy, and Secure Connections**
- ✓ **Connects to a PT06F10-6S Twist-Lock Connector for Easy Field Connections**

### SPECIFICATIONS

**Excitation:** 5 Vdc @ 15 mA  
**Output:** 10 mV (100 psi and above)  
**Sensitivity:** 2 mV/V nominal  
**Input Impedance:** 360 Ω  
**Output Resistance:** 350 Ω  
**Insulation Resistance:** >5 MΩ @ 75 Vdc  
**Accuracy:** ±1% full scale BFS (linearity and hysteresis combined)  
**Repeatability:** ±0.1% FS

PT06F10-6S mating connector and cable, sold separately. Shown smaller than actual size.

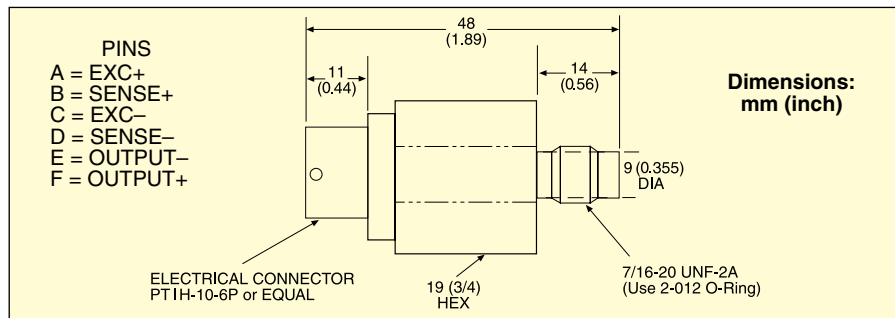


**Zero Balance:** ±3.0%  
**Operating Temperature Range:** -54 to 121°C (-65 to 250°F)  
**Compensated Temperature Range:** 16 to 71°C (60 to 160°F)  
**Thermal Zero Effect:** ±0.01% FS/°F  
**Thermal Span Effect:** 0.036% FS/°C (± 0.02% full scale/°F) max  
**Proof Pressure:** 150% range  
**Burst Pressure:** The lesser of 400% range or 30,000 psi max  
**Body Material:** 17-4 PH stainless steel  
**Diaphragm Material:** 17-4 PH stainless steel  
**O-Ring Size:** 2-012, polyvinyl



PX610-100GV, shown actual size.

**Mating Connector:** PT06F10-6S (sold separately)  
**Weight:** 45 g (0.5 oz)



### To Order

RANGE		MODEL NO.	COMPATIBLE METERS*
psig	bar		
<b>ABSOLUTE PRESSURE</b>			
0 to 50	0 to 3.4	PX610-050AV	DP41-S**, DP25B-S**, DP87**
0 to 100	0 to 6.9	PX610-100AV	DP41-S**, DP25B-S**, DP87**
<b>GAGE PRESSURE</b>			
0 to 50	0 to 3.4	PX610-050GV	DP41-S**, DP25B-S**, DP87**
0 to 100	0 to 6.9	PX610-100GV	DP41-S**, DP25B-S**, DP87**
0 to 150	0 to 10	PX610-150GV	DP41-S**, DP25B-S**, DP87**
0 to 200	0 to 14	PX610-200GV	DP41-S**, DP25B-S**, DP87**
0 to 300	0 to 21	PX610-300GV	DP41-S**, DP25B-S**, DP87**
0 to 500	0 to 34	PX610-500GV	DP41-S**, DP25B-S**, DP87**
0 to 1000	0 to 69	PX610-1KGV	DP41-S**, DP25B-S**, DP87**
0 to 2500	0 to 172	PX610-2.5KGV	DP41-S**, DP25B-S**, DP87**
0 to 5000	0 to 345	PX610-5KGV	DP41-S**, DP25B-S**, DP87**
0 to 10,000	0 to 689	PX610-10KGV	DP41-S**, DP25B-S**, DP87**
0 to 15,000	0 to 1034	PX610-15KGV	DP41-S**, DP25B-S**, DP87**

### ACCESSORIES

MODEL NO.	DESCRIPTION
PT06F10-6S	Mating connector for PX610 series transducers
2-012-P	Polyvinyl O-rings, 10 pack
2-012-V	FKM O-rings, 10 pack

Comes complete with 5-point NIST-traceable calibration.

\* Visit us online for compatible meters. \*\* Meter excitation voltage must be adjusted by user to 5 Vdc.

**Ordering Example:** PX610-1KGV, 1000 psig transducer. PT06F10-6S, mating connector (sold separately).



MILLIVOLT OUTPUT  
PRESSURE TRANSDUCERS

**B**