

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-R Twist-Lock Connector for Easy Field Connections**

SPECIFICATIONS

Excitation: 5 Vdc
Output: 0.1 mV/ PSI nominal (≤100 PSI)
 2 mV/V nominal (>100 PSI)
Sensitivity: 2 mV/V nominal
Input Impedance: 350 Ω
Output Resistance: 350 Ω
Insulation Resistance:
 >5 MΩ @ 75 Vdc
Accuracy: ±1% full scale BFSL
 (linearity and hysteresis combined)
Repeatability: ±0.1% FS

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

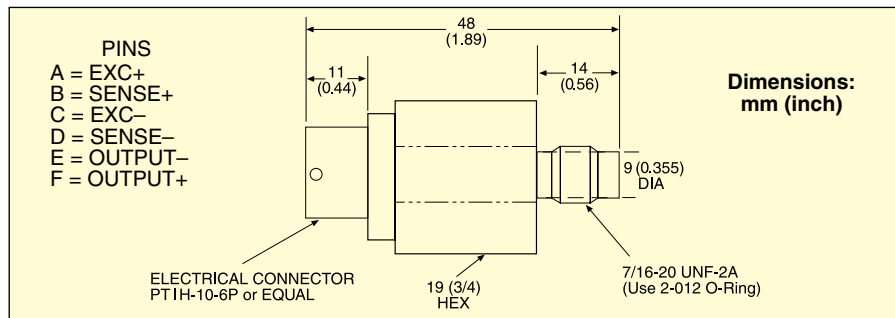


Zero Balance: ±3.0%
Operating Temperature Range:
 -54 to 121°C (-65 to 250°F)
Compensated Temperature Range:
 16 to 71°C (60 to 160°F)
Thermal Zero Effect: ±0.01% FS/°F
Thermal Span Effect: 0.036% FS/°C
 (± 0.02% full scale/°F) max
Proof Pressure: 150% range
Burst Pressure: The lesser of 400% range or 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-R (sold separately)
Weight: 45 g (0.5 oz)



To Order

RANGE		MODEL NO.	COMPATIBLE METERS*
psig	bar		
ABSOLUTE PRESSURE			
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**
GAGE PRESSURE			
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-R	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-R, mating connector (sold separately).



MILLIVOLT OUTPUT
 PRESSURE TRANSDUCERS

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