

AMPLIFIED VOLTAGE OUTPUT TRANSDUCER ABSOLUTE AND SEALED PRESSURE WITH WATERPROOF CASE FOR HARSH ENVIRONMENTS

0-15 to 0-3000 psi
0-0.1 to 0-200 bar

PX176 Series

- ✓ ±1% Interchangeability
- ✓ Sealed for Harsh Environments
- ✓ 1 to 6 Vdc Output
- ✓ 9 to 20 Vdc Power
- ✓ -55 to 105°C (-67 to 221°F) Operating Range
- ✓ Fully Calibrated and Temperature Compensated

SPECIFICATIONS

Excitation: 9 to 20 Vdc at 15 mA (polarity protection)

Output: 1 to 6 Vdc

Input Resistance: 2 MΩ at 25 Vdc

PERFORMANCE

Accuracy: ±1.0% full scale

Linearity: ±0.5% full scale

Hysteresis: ±0.25% full scale

Zero Balance: ±1% full scale

Span Tolerance: 5 ±0.1 Vdc

Operating Temperature Range:

-55 to 105°C (-67 to 221°F)

Compensated Temperature Range:

0 to 85°C (32 to 185°F)

Thermal Zero Effect: ±0.02% rdg/°C (±0.01% rdg/°F)

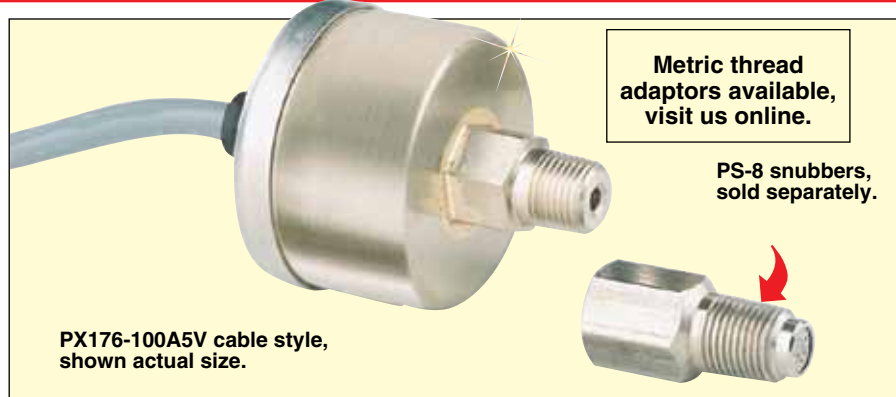
Thermal Sensitivity Effect: ±0.02% rdg/°C (±0.01% rdg/°F)

Proof Pressure: 2x full scale; 1.5x over 200 psi

Burst Pressure: 20x full scale; 10x: 50 to 200 psi; 5x: 500 psi and up

CONSTRUCTION

Gages: Piezoresistive on bending beam



PX176-100A5V cable style, shown actual size.

ELECTRICAL CONNECTION

Cable Style: 900 mm (36") 3-lead shielded PVC

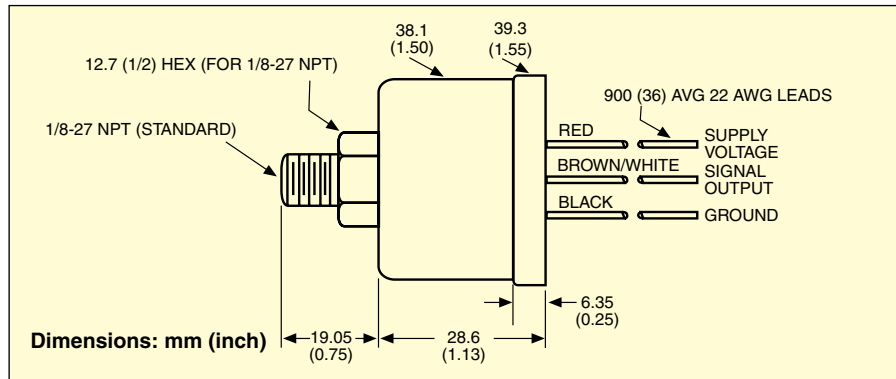
Pressure Cavity Volume: 0.091 in³

Weight: 113 g (4 oz)

Frequency Response: 50 Hz

Body/Diaphragm Material: 300 Series SS (silver, copper, nickel, cadmium brazed)

Pressure Port: 1/8-27 NPT



To Order

RANGE		MODEL NO.	COMPATIBLE METERS*
0 to 15 psia	0 to 1.0 bar	PX176-015A5V	DP302E, DP2000P4, DP25B-E
0 to 25 psia	0 to 1.7 bar	PX176-025A5V	DP302E, DP2000P4, DP25B-E
0 to 50 psia	0 to 3.4 bar	PX176-050A5V	DP302E, DP2000P4, DP25B-E
0 to 100 psia	0 to 6.9 bar	PX176-100A5V	DP302E, DP2000P4, DP25B-E
0 to 200 psia	0 to 13.8 bar	PX176-200A5V	DP302E, DP2000P5, DP25B-E
0 to 100 psis	0 to 6.9 bar	PX176-100S5V	DP302E, DP2000P4, DP25B-E
0 to 200 psis	0 to 13.8 bar	PX176-200S5V	DP302E, DP2000P5, DP25B-E
0 to 500 psis	0 to 34.5 bar	PX176-500S5V	DP302E, DP2000P4, DP25B-E
0 to 1000 psis	0 to 68.9 bar	PX176-1KS5V	DP302E, DP2000P4, DP25B-E
0 to 3000 psis	0 to 207 bar	PX176-3KS5V	DP25B-E, DP3002-E, DP41-E

Comes complete with operator's manual.

* Visit us online for compatible meters.

Ordering Example: PX176-1KS5V, 1000 psis cable style transducer.

ACCESSORIES

MODEL NO.	DESCRIPTION
PS-8D	Pressure snubber for oils 225 to 500 SSU (10 to 50 SAE)
PS-8E	Pressure snubber for water and light oils 30 to 225 SSU
PS-8G	Pressure snubber for air, steam and gases