

# COMPACT PRESSURE TRANSMITTER FOR ABSOLUTE AND SEALED GAGE PRESSURES

0-15 to 0-5000 psi  
0-1.0 to 0-200 bar

## PX177 Series

- ✓ Waterproof Case for Harsh Environments
- ✓ Compact Size for Ease of Use
- ✓ Ideal for Freon and Ammonia Applications

The PX177 uses silicon strain gages mounted on a beam that is coupled to a stainless steel diaphragm, for maximum thermal isolation. The sensing element and internal electronics are protected from the environment by a stainless steel case.

### SPECIFICATIONS

**Excitation:** 12 to 35 Vdc

**Output:** 4 to 20 mA (2 wire) reverse polarity protected

**Accuracy:** 1% FS (includes repeatability, linearity BFSL and hysteresis)

**Zero Balance:** 4 ±0.4 mA

**Span Tolerance:** 16 ±0.32 mA

**Operating Temperature:**

-18 to 100°C (0 to 212°F)

**Compensated Temperature:**

-1 to 54°C (30 to 130°F)

**Thermal Effects:**

**Zero:** 1% FS

**Span:** 1% rdg

**Proof Pressure:** 200% FS  
(150% FS above 300 psi range)

**Burst Pressure:** 10x FS  
(5x FS above 300 psi range)

**Max Loop Res:** (Supply voltage – 12) x 50

**Response Time:** 50 Hz

**Wetted Parts:** Brazed assembly of 300 Series SS

**Pressure Port:** 1/8" NPT

**Electrical Connections:** 2-conductor, 22 AWG, shielded, 36" pigtail leads

**Weight:** 114 g (4 oz)

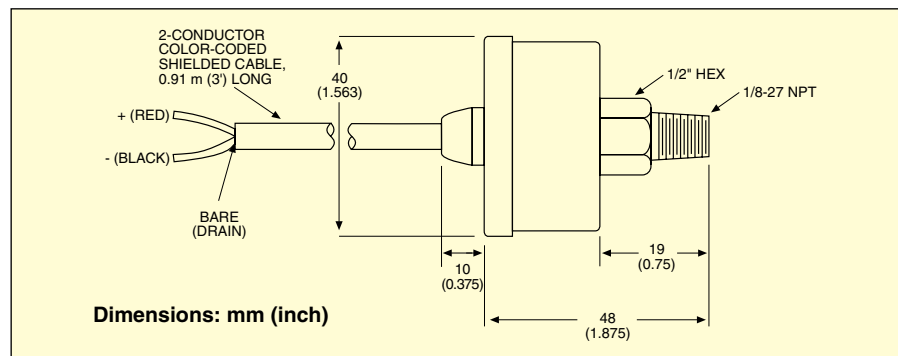


PX177-100SI, shown actual size.



PS-8G snubber, sold separately.

Metric thread adaptors available, visit us online.



Dimensions: mm (inch)

To Order			
RANGE		MODEL NO.	COMPATIBLE METERS**
0 to 15 psia	0 to 1.0 bar	PX177-015AI	DP41-E, DP25B-E, DP24-E
0 to 25 psia	0 to 1.7 bar	PX177-025AI	DP41-E, DP25B-E, DP24-E
0 to 50 psia	0 to 3.4 bar	PX177-050AI	DP41-E, DP25B-E, DP24-E
0 to 100 psis*	0 to 6.9 bar	PX177-100SI	DP41-E, DP25B-E, DP24-E
0 to 200 psis*	0 to 13.8 bar	PX177-200SI	DP41-E, DP25B-E, DP24-E
0 to 500 psis*	0 to 34.5 bar	PX177-500SI	DP41-E, DP25B-E, DP24-E
0 to 1000 psis*	0 to 68.9 bar	PX177-1KSI	DP41-E, DP25B-E, DP24-E
0 to 3000 psis*	0 to 207 bar	PX177-3KSI	DP41-E, DP25B-E, DP24-E
0 to 5000 psis*	0 to 345 bar	PX177-5KSI	DP41-E, DP25B-E, DP24-E

Comes complete with operator's manual.

\* Sealed gage: measured with respect to a standard atmosphere (14.7 psia).

\*\* Visit us online for compatible meters.

Ordering Example: PX177-015AI, 15 psia pressure transducer.

### ACCESSORIES - 1/8" NPT Snubbers

MODEL NO.	DESCRIPTION
PS-8G	Pressure snubber for gaseous media
PS-8E	Pressure snubber for water and light oils
PS-8D	Pressure snubber for dense liquids (motor oil)

