

TERMINAL BOX STYLE GENERAL PURPOSE VOLTAGE OUTPUT PRESSURE SENSORS

15 to 10,000 psi
1 to 690 bar

Snubbers Protect Sensors From Fluid Spikes/Hammers! Visit us online

PX700 Series



Voltage			
A	1	Red	+ Excitation
B	3	White	+ Output
C	2	Black	Common
D	4	Bare	Drain
4-20 Milliamp			
A	1	Red	+ Excitation
B	2	Black	- Excitation
D	4	Bare	Drain
PX700 (Voltage)		PX700 (Milliamp)	
	Ground		Ground
	Common		Not Used
	+ Outlet		DC Excitation -
	+ Excitation		DC Excitation +



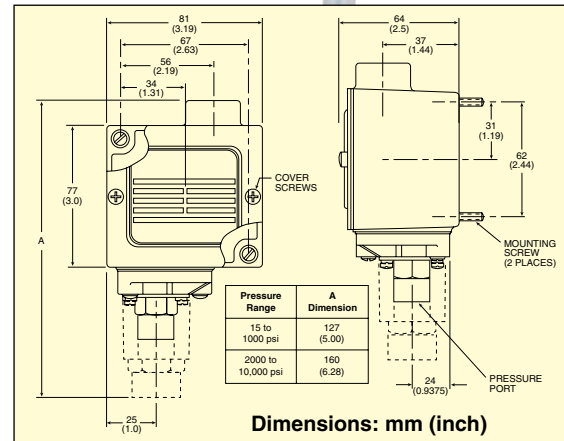
PX700-100G5V, shown smaller than actual size.

✓ NEMA 4 (IP65) Enclosure

SPECIFICATIONS

- 5 Vdc (10 Vdc) Output**
- Excitation:** 12 to 32 Vdc unregulated (14 to 32 Vdc)
- Quiescent Current:** 15 mA max
- Output:** 0.5 to 5.5 Vdc (1 to 11 Vdc optional)
- Accuracy:** 0.25% FS (includes linearity, hysteresis, repeatability)
- Zero Balance:** ±0.4% (±1%)
- Span Tolerance:** ±0.8% (±1%)
- Long-Term Stability:** ±0.5% FS
- Typical Life:** 100 million cycles
- Operating Temperature:** -18 to 71°C (0 to 160°F)
- Compensated Temperature:** -1 to 71°C (30 to 160°F)
- Total Thermal Effects:** ±1% FS max
- Proof Pressure:** 200% or 13,000 psi max, whichever is less
- Min Load Resistance:** 2000 Ω
- Response Time:** 1 ms
- Gage Type:** Stainless steel diaphragm, silicone oil-filled semiconductor sensor
- Shock:** 50 g @ 11 ms
- Vibration:** 15 g, 10 to 2000 Hz
- Wetted Parts:** 17-4 PH and 300 Series stainless steel

- Pressure Port:** 1/16"-20 UNF female
- Electrical Conn:** 4-pole terminal strip and integral 1/2 NPT female
- Weight:** 672 g (23.7 oz) to 1000 psi, 686 g (24.2 oz) from 2000 psi



VOLTAGE OUTPUT PRESSURE TRANSDUCERS **B**

To Order			
RANGE		5 V OUTPUT MODEL NO.	COMPATIBLE METERS
psig	bar		
GAGE MODELS			
0 to 15	0 to 1.0	PX700-015G5V	DP41-E, DP25B-E, DP460-E
0 to 30	0 to 2.1	PX700-030G5V	DP41-E, DP25B-E, DP460-E
0 to 50	0 to 3.4	PX700-050G5V	DP41-E, DP25B-E, DP460-E
0 to 100	0 to 6.9	PX700-100G5V	DP41-E, DP25B-E, DP460-E
0 to 200	0 to 13.8	PX700-200G5V	DP41-E, DP25B-E, DP460-E
0 to 300	0 to 20.7	PX700-300G5V	DP41-E, DP25B-E, DP460-E
0 to 500	0 to 34.5	PX700-500G5V	DP41-E, DP25B-E, DP460-E
0 to 1000	0 to 68.9	PX700-1KG5V	DP41-E, DP25B-E, DP460-E
0 to 2000	0 to 138	PX700-2KG5V	DP41-E, DP25B-E, DP460-E
0 to 3000	0 to 207	PX700-3KG5V	DP41-E, DP25B-E, DP460-E
0 to 5000	0 to 345	PX700-5KG5V	DP41-E, DP25B-E, DP460-E
0 to 10,000	0 to 689	PX700-10KG5V	DP41-E, DP25B-E, DP460-E

Comes complete with operator's manual.
To order absolute pressure ranges (to 300 psi), replace "G" with "A" in model number, Consult Sales for price and delivery.
To order models with 1 to 11 Vdc output, replace "5V" with "10V" in model number, Consult Sales for price and delivery.
Ordering Examples: PX700-050A5V, 50 psia 0.5 to 5.5 Vdc output pressure sensor.
PX700-050G10V, 50 psig 1 to 11 Vdc output pressure sensor.

ACCESSORIES

MODEL NO.	DESCRIPTION
RA-716-14M-SS	1/16"-20 UNF male to 1/4" NPT male adaptor
RA-716-14F-SS	1/16"-20 UNF male to 1/4" NPT female adaptor