

TERMINAL BOX STYLE GENERAL PURPOSE VOLTAGE OUTPUT PRESSURE SENSORS

PX700 Series
15 to 10,000 psi
1 to 690 bar

All Ranges
\$350



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% (±0.2%)

Span Tolerance: ±0.8% (±0.4%)

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 UNF female

Weight: 672 g (23.7 oz) to 1000 psi
686 g (24.2 oz) from 2000 psi

ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
GE-2515	\$45	Reference Book: Process Control

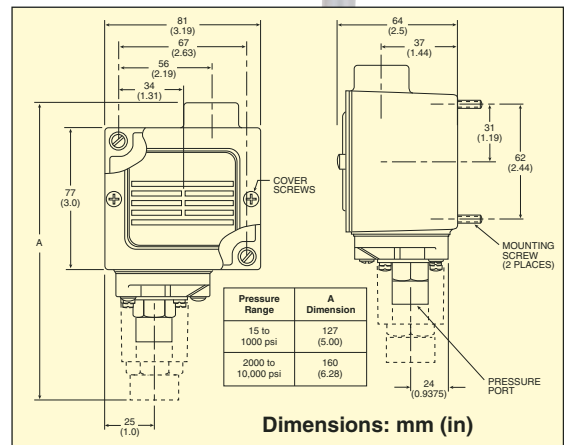
Voltage			
A	1	Red	+ Excitation
B	3	White	+ Output
C	2	Black	Common
D	4	Bare	Drain
4-20 Milliamp			
A	1	Red	+ Excitation
B	2	Black	- Excitation
D	4	Bare	Drain
PX700 (Voltage)		PX700 (Milliamp)	
⊘	Ground	⊘	Ground
⊘	Common	⊘	Not Used
⊘	+ Outlet	⊘	DC Excitation -
⊘	+ Excitation	⊘	DC Excitation +

Snubbers protect sensors from fluid spikes/hammers!

1/16-20 to NPT Adaptors	
	1/4 NPT Male RA-716-14M-SS \$17
	1/4 NPT Female RA-716-14F-SS \$20



PX700-100G5V, \$350, shown smaller than actual size.



Dimensions: mm (in)

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

RANGE		5 V OUTPUT MODEL NO.	PRICE	COMPATIBLE METERS*
psig	bar			
GAGE MODELS				
0 to 15	0 to 1.0	PX700-015G5V	\$350	DP41-E, DP25B-E, DP460-E
0 to 30	0 to 2.1	PX700-030G5V	350	DP41-E, DP25B-E, DP460-E
0 to 50	0 to 3.4	PX700-050G5V	350	DP41-E, DP25B-E, DP460-E
0 to 100	0 to 6.9	PX700-100G5V	350	DP41-E, DP25B-E, DP460-E
0 to 200	0 to 13.8	PX700-200G5V	350	DP41-E, DP25B-E, DP460-E
0 to 300	0 to 20.7	PX700-300G5V	350	DP41-E, DP25B-E, DP460-E
0 to 500	0 to 34.5	PX700-500G5V	350	DP41-E, DP25B-E, DP460-E
0 to 1000	0 to 68.9	PX700-1KG5V	350	DP41-E, DP25B-E, DP460-E
0 to 2000	0 to 138	PX700-2KG5V	350	DP41-E, DP25B-E, DP460-E
0 to 3000	0 to 207	PX700-3KG5V	350	DP41-E, DP25B-E, DP460-E
0 to 5000	0 to 345	PX700-5KG5V	350	DP41-E, DP25B-E, DP460-E
0 to 7500	0 to 517	PX700-7.5KG5V	350	DP41-E, DP25B-E, DP460-E
0 to 10,000	0 to 689	PX700-10KG5V	350	DP41-E, DP25B-E, DP460-E

Comes with complete operator's manual.

* See section D for compatible meters.

To order models with 1 to 11 Vdc output, replace "5V" with "10V" in model number, no additional charge.

To order absolute pressure ranges (to 300 psi), replace "G" with "A" in model number, no additional charge.

Ordering Examples: PX700-050A5V, 50 psia 0.5 to 5.5 Vdc output pressure sensor, \$350.
PX700-050G10V, 50 psig 1 to 11 Vdc output pressure sensor, \$350.

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