

TERMINAL BOX STYLE GENERAL PURPOSE PRESSURE SENSORS CURRENT OUTPUT

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

All Ranges
\$350



NEMA 4 (IP65) Enclosure

SPECIFICATIONS

4 to 20 mA Output

Excitation: 12 to 32 Vdc unregulated

Output: 4 to 20 mA

Accuracy: 0.25% FS (includes linearity, hysteresis, repeatability)

Zero Balance: 4 mA ±0.2%

Span: 16 mA ±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 54°C (30 to 130 °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
CH-4620	\$95	Reference Book: Rotordynamics Prediction in Engineering

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 +	



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

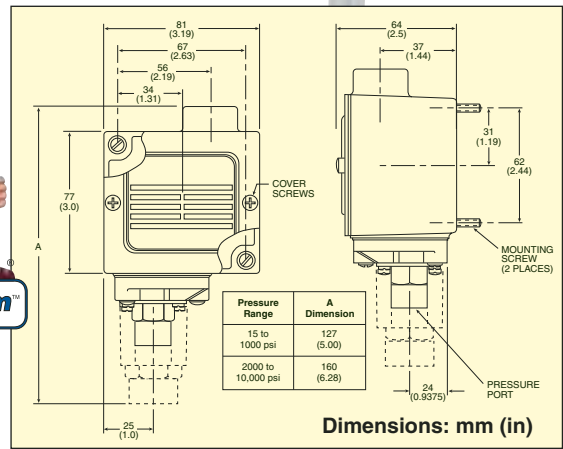


books1.com
omega.com

Snubbers protect sensors from fluid spikes/hammers!

1/16"-20 to NPT Adaptors

	1/4 NPT Male	RA-716-14M-SS \$10
	1/4 NPT Female	RA-716-14F-SS \$15



MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

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

Comes with complete operator's manual.

* See section D for compatible meters.

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

To order with 0.5 to 5 or 1 to 11 Vdc outputs, see page B-80.

Ordering Example: PX700-050AI, 50 psia, 4 to 20 mA output pressure sensor, \$350. PX700-050GI, 50 psig, 4 to 20 mA output pressure sensor, \$350.



CURRENT OUTPUT PRESSURE TRANSDUCERS

B

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• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

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• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters