

SANITARY CURRENT OUTPUT PRESSURE TRANSDUCER PROVEN THIN-FILM TECHNOLOGY

DISCONTINUED

Ranges from Vacuum to 1000 psi
(69 bar)
4 to 20 mA Output

PX792 Series



- ✓ All Stainless Steel Construction
- ✓ NEMA 4X (IP65) Enclosure
- ✓ Dairy, Food Processing, Pharmaceutical, Biotech Applications
- ✓ High Reliability

The PX790 Series transducers use proven thin-film technology and precision machining and electro-polishing to meet 3A standards.

SPECIFICATIONS

Excitation: 10 to 36 Vdc unregulated reverse voltage protected

Output: 4 to 20 mA 2-wire

Zero Balance: $\pm 1\%$ full scale
 $V_{min} = 10 V + (0.022A) \times R_L$

Linearity: $\pm 0.4\%$ BFSL

Hysteresis: $+0.2\%$

Repeatability: $\pm 0.07\%$

Stability: $\pm 1\%$ full scale/year

Durability: 100M cycles

Operating Temperature:

-29 to 82°C (-20 to 180°F)

Compensated Temperature:

-1 to 54°C (30 to 130°F)

Thermal Effects:

Zero: $\pm 0.04\%$ full scale/°F

Span: $\pm 0.04\%$ full scale/°F

Proof Pressure: 200% range

Burst Pressure: 800% range

Gage Type: Stainless steel diaphragm, diffused silicon sensor

Vibration: $< \pm 0.1\%$ full scale effect for 20 g, 0 to 2000 Hz in any axis

Shock: Less than $\pm 0.05\%$ full scale effect for 100 g, 20 ms shock in any axis

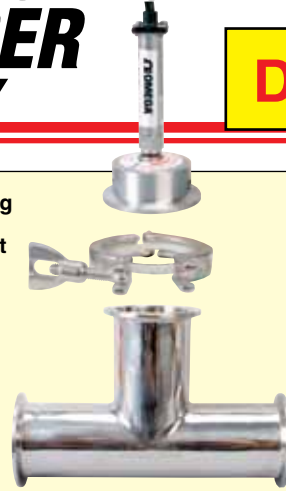
Position Effect: $< 0.1\%$ full scale

Response Time: 5 ms

Exploded view showing PX792 transducer, Tri-Grip™ clamp gasket and T-fitting.

CAUTION AND WARNING!

Sensitive Diaphragm
Do Not Touch!
Remove Protective Cap
Just Before Installation.

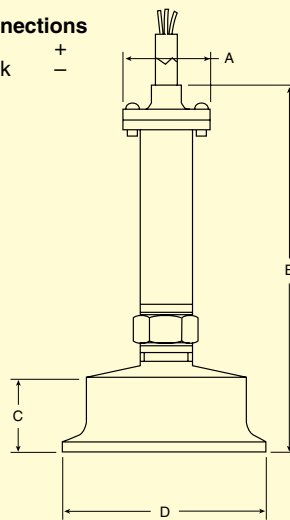


PX792-100G5V, with 2" Tri-Grip™ flange, shown actual size.



Connections

Red +
Black -



MODEL	A	B	C	D
1½" Tri-Grip™	20.3 (0.8)	119.4 (4.7)	22.9 (0.9)	51 (2.0)
2" Tri-Grip™	20.3 (0.8)	119.4 (4.7)	22.9 (0.9)	63.5 (2.5)

Wetted Parts: 316L stainless steel electro-polished

Fill Fluid: USP grade 99.5% glycerin

Pressure Port: Tri-Grip™ (Tri-Clamp® compatible) style, 2" standard, 1½" optional

Case: 300 Series SS

Electrical Connection: 24 AWG, 91.4 cm (36") PVC, shielded, vented

Weight: 383 g (13.5 oz)

To Order

RANGE		MODEL NO. 1½ FTG*	MODEL NO. 1½ FTG*	COMPATIBLE METERS
psig	bar			
Vac to 30	Vac to 2.1	PX791-V30GI	PX792-V30GI	DP41-E, DP302-E, DP460-E
Vac to 60	Vac to 4.1	PX791-V60GI	PX792-V60GI	DP41-E, DP302-E, DP460-E
Vac to 100	Vac to 6.9	PX791-V100GI	PX792-V100GI	DP41-E, DP302-E, DP460-E
0 to 30	0 to 2.1	PX791-30GI	PX792-30GI	DP41-E, DP302-E, DP460-E
0 to 60	0 to 4.1	PX791-60GI	PX792-60GI	DP41-E, DP302-E, DP460-E
0 to 100	0 to 6.9	PX791-100GI	PX792-100GI	DP41-E, DP302-E, DP460-E
0 to 200	0 to 13.8	PX791-200GI	PX792-200GI	DP41-E, DP302-E, DP460-E
0 to 300	0 to 20.7	PX791-300GI	PX792-300GI	DP41-E, DP302-E, DP460-E
0 to 500	0 to 34.5	PX791-500GI	PX792-500GI	DP41-E, DP302-E, DP460-E
0 to 750	0 to 51.7	PX791-750GI	PX792-750GI	DP41-E, DP302-E, DP460-E
0 to 1000	0 to 68.9	PX791-1KGI	PX792-1KGI	DP41-E, DP302-E, DP460-E

Comes complete with operator's manual.

* To order with 1½" fitting, change model number to **PX791** (no extra charge).

Ordering Example: PX792-V100GI, 50.8 mm (2") fitting, range from vacuum to 100 psig and 4 to 20 mA output at the full scale level.

DISCONTINUED