

# SANITARY CURRENT OUTPUT PRESSURE TRANSDUCER PROVEN THIN-FILM TECHNOLOGY

**PX792 Series**  
Ranges from Vacuum to 1000 psi  
(69 bar)  
4 to 20 mA Output

Starts at  
**\$460**



- ✓ 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:** ±1% FS  
 $V_{min} = 10 V + (0.022A) \times R_L$

**Linearity:** ±0.4% BFSL

**Hysteresis:** +0.2%

**Repeatability:** ±0.07%

**Stability:** ±1% FS/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:** ±0.04% FS/°F

**Span:** ±0.04% FS/°F

**Proof Pressure:** 200% range

**Burst Pressure:** 800% range

**Gage Type:** Stainless steel diaphragm, diffused silicon sensor

**Vibration:** <±0.1% FS effect for 20 g, 0 to 2000 Hz in any axis

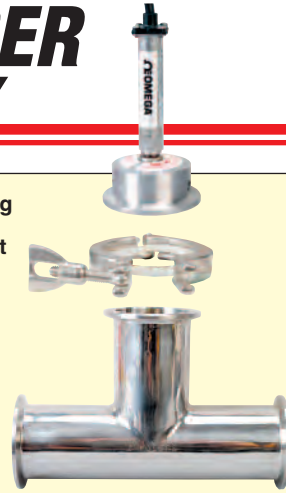
**Shock:** Less than ±0.05% FS effect for 100 g, 20 ms shock in any axis

**Position Effect:** <0.1% FS

**Response Time:** 5 ms

**Wetted Parts:** 316L stainless steel electro-polished

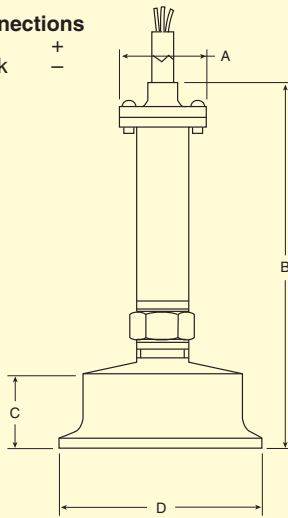
Exploded view showing PX792 transducer, Tri-Grip™ clamp gasket and T-fitting.



**CAUTION AND WARNING!**  
Sensitive Diaphragm  
Do Not Touch!  
Remove Protective Cap  
Just Before Installation.

PX792-100G5V, with 2" Tri-Grip™ flange, \$460, 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)



**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)

**MOST POPULAR MODELS HIGHLIGHTED!**

## To Order (Specify Model Number)

RANGE		MODEL NO.	MODEL NO.	PRICE	COMPATIBLE METERS**
psig	bar	1½" FTG*	2" FTG*		
Vac to 30	Vac to 2.1	PX791-V30GI	PX792-V30GI	\$500	DP41-E, DP302-E, DP460-E
Vac to 60	Vac to 4.1	PX791-V60GI	PX792-V60GI	500	DP41-E, DP302-E, DP460-E
Vac to 100	Vac to 6.9	PX791-V100GI	PX792-V100GI	500	DP41-E, DP3002-E, DP460-E
0 to 30	0 to 2.1	PX791-30GI	PX792-30GI	480	DP41-E, DP3002-E, DP460-E
0 to 60	0 to 4.1	PX791-60GI	PX792-60GI	480	DP41-E, DP302-E, DP460-E
0 to 100	0 to 6.9	PX791-100GI	PX792-100GI	460	DP41-E, DP302-E, DP460-E
0 to 200	0 to 13.8	PX791-200GI	PX792-200GI	460	DP41-E, DP302-E, DP460-E
0 to 300	0 to 20.7	PX791-300GI	PX792-300GI	460	DP41-E, DP3002-E, DP460-E
0 to 500	0 to 34.5	PX791-500GI	PX792-500GI	460	DP41-E, DP3002-E, DP460-E
0 to 750	0 to 51.7	PX791-750GI	PX792-750GI	460	DP41-E, DP3002-E, DP460-E
0 to 1000	0 to 68.9	PX791-1KGI	PX792-1KGI	460	DP41-E, DP3002-E, DP460-E

Comes complete with operator's manual.

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

\*\* See section D for compatible meters.

**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, \$500.



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