

SANITARY VOLTAGE OUTPUT PRESSURE TRANSDUCER

PROVEN THIN-FILM TECHNOLOGY

DISCONTINUED

**Vacuum to 1000 psi (69 bar)
1 to 5 Vdc Output**

PX790 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 with supply current <3 mA

Output: 1 to 5 Vdc unregulated

Zero Balance: ±1% full scale

Linearity: ±0.4% BFSL

Hysteresis: +0.2%

Repeatability: ±0.07%

Stability: ±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:

Span: ±0.04% full scale/°F

Zero: ±0.04% full scale/°F

Proof Pressure: 200% range

Burst Pressure: 800% range

Gage Type: Stainless steel diaphragm, diffused silicon sensor

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

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

Position Effect: <0.1% full scale

Response Time: 5 ms

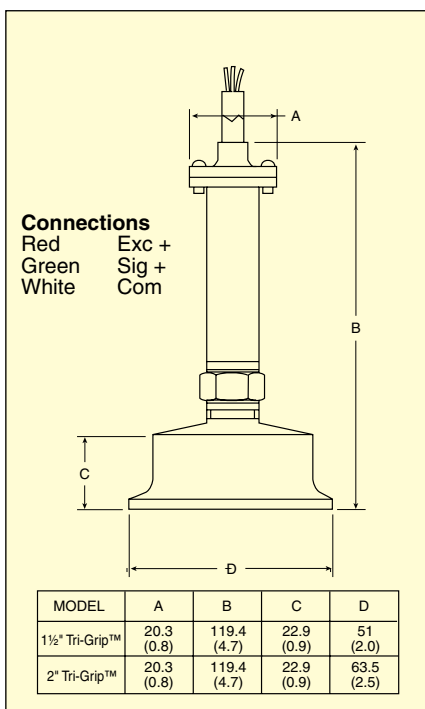
CAUTION AND WARNING!

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

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



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



Wetted Parts: 316L stainless steel electro-polished

Case: 300 Series stainless steel

Fill Fluid: USP grade 99.5% glycerin

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

Electrical Connection: No. 24 AWG, 36" PVC, shielded, vented

Weight: 383 g (13.5 oz)

To Order

RANGE		MODEL NO. 1½" FITTING	MODEL NO. 2" FITTING	COMPATIBLE METERS
psig	bar			
Vac to 30	Vac to 2.1	PX791-V30G5V	PX792-V30G5V	DP41-E, DP25B-E
Vac to 60	Vac to 4.1	PX791-V60G5V	PX792-V60G5V	DP41-E, DP25B-E
Vac to 100	Vac to 6.9	PX791-V100G5V	PX792-V100G5V	DP41-E, DP25B-E
0 to 30	0 to 2.1	PX791-30G5V	PX792-30G5V	DP41-E, DP25B-E
0 to 60	0 to 4.1	PX791-60G5V	PX792-60G5V	DP41-E, DP25B-E
0 to 100	0 to 6.9	PX791-100G5V	PX792-100G5V	DP41-E, DP25B-E
0 to 200	0 to 13.8	PX791-200G5V	PX792-200G5V	DP41-E, DP25B-E
0 to 300	0 to 20.7	PX791-300G5V	PX792-300G5V	DP41-E, DP25B-E
0 to 500	0 to 34.5	PX791-500G5V	PX792-500G5V	DP41-E, DP25B-E
0 to 750	0 to 51.7	PX791-750G5V	PX792-750G5V	DP41-E, DP25B-E
0 to 1000	0 to 68.9	PX791-1KG5V	PX792-1KG5V	DP41-E, DP25B-E

Comes complete with operator's manual.

Ordering Example: PX792-V100G5V, 2" Tri-Grip™ fitting, range from vacuum to 100 psig and 1 to 5 Vdc output at full scale level.

DISCONTINUED



VOLTAGE OUTPUT
PRESSURE TRANSDUCERS

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