

SANITARY PRESSURE TRANSMITTER

Proven Thin-Film Technology

Ranges from Vacuum to 69 bar (1000 psi)
4 to 20 mA Output
1 to 5 Vdc Output

PX792 Series



- ✓ All Stainless Steel Construction
- ✓ NEMA 4X (IP65) Enclosure
- ✓ For Dairy, Food Processing, Pharmaceutical, Biotech Applications
- ✓ 1½ or 2" Tri-Grip™ (Tri-Clamp® Compatible)

PX792 Series transducers use proven thin-film technology and precision machining and electro-polishing to meet 3-A standards.

SPECIFICATIONS

Excitation: 10 to 36 Vdc unregulated reverse voltage protected

Output: 4 to 20 mA 2-wire, 1 to 5 Vdc unregulated

Zero Balance: ±1% FS
 $\gamma_{min} = 10V + (0.022A) \times R_L$

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

Fill Fluid: USP grade 99.5% glycerin

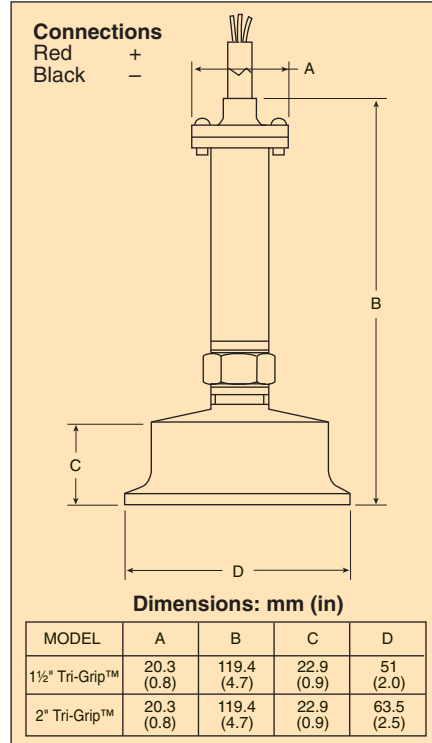
Pressure Port: 1½ or 2" Tri-Grip™ style

Case: 300 Series SS

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

Weight: 383 g (13.5 oz)

Warning
Sensitive Diaphragm—
Do Not Touch!
Remove protective
cap just before
installation.



PX792-100GI with 2" Tri-Grip™, shown smaller than actual size.

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

Range		Model No.	Compatible Meters
psig	bar	2" Tri-Grip™*	
Vac to 30	Vac to 2.1	PX792-V30GI	DP41-E, DP302-E, DP460-E
Vac to 60	Vac to 4.1	PX792-V60GI	DP41-E, DP302-E, DP460-E
Vac to 100	Vac to 6.9	PX792-V100GI	DP41-E, DP3002-E, DP460-E
0 to 30	0 to 2.1	PX792-30GI	DP41-E, DP3002-E, DP460-E
0 to 60	0 to 4.1	PX792-60GI	DP41-E, DP302-E, DP460-E
0 to 100	0 to 6.9	PX792-100GI	DP41-E, DP302-E, DP460-E
0 to 200	0 to 13.8	PX792-200GI	DP41-E, DP302-E, DP460-E
0 to 300	0 to 20.7	PX792-300GI	DP41-E, DP3002-E, DP460-E
0 to 500	0 to 34.5	PX792-500GI	DP41-E, DP3002-E, DP460-E
0 to 750	0 to 51.7	PX792-750GI	DP41-E, DP3002-E, DP460-E
0 to 1000	0 to 68.9	PX792-1KGI	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).

To order with 1 to 5 Vdc output, change "GI" to "G5V" in model number, no additional charge.

Ordering Examples: PX792-30GI, 2" Tri-Grip™ fitting, 0 to 30 psig range, 4 to 20 mA output.

PX791-100G5V, 1½" Tri-Grip™ fitting, 0 to 100 psig range, 1 to 5 Vdc output.

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