

# SANITARY VOLTAGE OUTPUT PRESSURE TRANSDUCER

## PROVEN THIN-FILM TECHNOLOGY

**PX790 Series**  
**Vacuum to 1000 psi (69 bar)**  
**1 to 5 Vdc Output**

Starts at  
**\$420**



- ✓ 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% FS

**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:**

**Span:** ±0.04% FS/°F

**Zero:** ±0.04% FS/°F

**Proof Pressure:** 200% range

**Burst Pressure:** 800% range

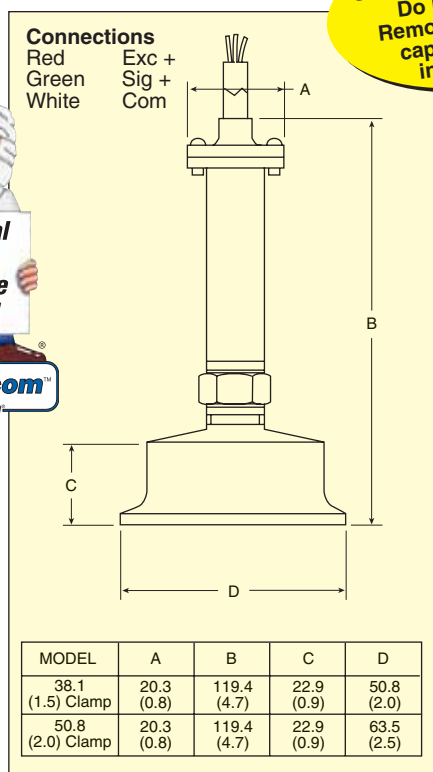
**Gage Type:** Stainless steel diaphragm, diffused silicon sensor

**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



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



PX792-100G5V, with 508 mm (2") flange, \$420, shown smaller than actual size.

**Pressure Port:** Tri-Clamp® style, 38.1 mm (1½"), 508 mm (2")  
**Electrical Connection:** No. 24 AWG, 36" PVC, shielded, vented, UL approved  
**Weight:** 383 g (13.5 oz)

**MOST POPULAR MODELS HIGHLIGHTED!**

To Order (Specify Model Number)				
RANGE		MODEL, 2" FTG*	PRICE	COMPATIBLE METERS**
psig	bar			
Vac to 30	Vac to 2.1	<b>PX792-V30G5V</b>	<b>\$455</b>	DP41-E, DP302-E, DP460-E
Vac to 60	Vac to 4.1	<b>PX792-V60G5V</b>	<b>455</b>	DP41-E, DP302-E, DP460-E
Vac to 100	Vac to 6.9	<b>PX792-V100G5V</b>	<b>455</b>	DP41-E, DP3002-E, DP460-E
0 to 30	0 to 2.1	<b>PX792-30G5V</b>	<b>435</b>	DP41-E, DP3002-E, DP460-E
0 to 60	0 to 4.1	<b>PX792-60G5V</b>	<b>420</b>	DP41-E, DP302-E, DP460-E
0 to 100	0 to 6.9	<b>PX792-100G5V</b>	<b>420</b>	DP41-E, DP302-E, DP460-E
0 to 200	0 to 13.8	<b>PX792-200G5V</b>	<b>420</b>	DP41-E, DP302-E, DP460-E
0 to 300	0 to 20.7	<b>PX792-300G5V</b>	<b>420</b>	DP41-E, DP3002-E, DP460-E
0 to 500	0 to 34.5	<b>PX792-500G5V</b>	<b>420</b>	DP41-E, DP3002-E, DP460-E
0 to 750	0 to 51.7	<b>PX792-750G5V</b>	<b>420</b>	DP41-E, DP3002-E, DP460-E
0 to 1000	0 to 68.9	<b>PX792-1KG5V</b>	<b>420</b>	DP41-E, DP3002-E, DP460-E

Comes with complete operator's manual.  
 \* To order with 38.1 mm (1½") fitting, change model number to **PX791** (no extra charge).  
 \*\* See section D for compatible meters.  
**Ordering Example:** **PX792-V100G5V**, 2" fitting, range from vacuum to 100 psig and 1 to 5 Vdc output at full scale level, **\$455**.

ACCESSORY		
MODEL NO.	PRICE	DESCRIPTION
ME-1755	\$150	Reference Book: Practical Guide to Pressure Vessels

VOLTAGE OUTPUT  
 PRESSURE TRANSDUCERS  
**B**

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