

# COMPACT PRESSURE TRANSDUCERS

## ALL STAINLESS STEEL WETTED PARTS

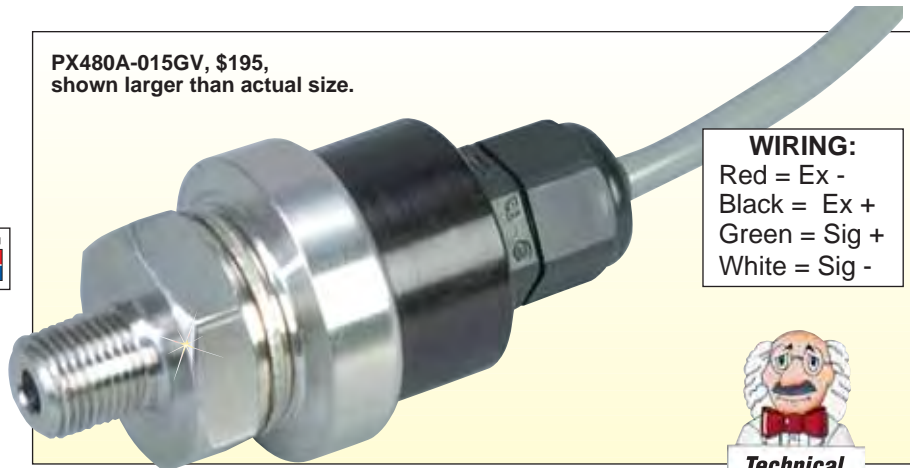


**PX480A Series**  
 0 to -14.7 to 0-3000 psi  
 0 to -1 to 0-207 bar

Starts at  
**\$195**



PX480A-015GV, \$195,  
 shown larger than actual size.



**WIRING:**  
 Red = Ex -  
 Black = Ex +  
 Green = Sig +  
 White = Sig -



- ✓ Excellent Total Accuracy and Interchangeability
- ✓ Gage Pressure, Vacuum, and Compound Ranges Available
- ✓ Rugged, Compact Design
- ✓ RFI/EMI Protection
- ✓ 316L Stainless Steel Wetted Parts

**Wetted Parts:** 316L SS  
**Vibration:** 10 g, 55 to 2000 Hz  
**Shock:** 30 g  
**Process Connection:** 1/8 NPT male

**Electrical Connection:** 0.4 m (18") 24-gage shielded cable  
**Dimensions:** 1 1/2 hex; 72 H x 29.7 mm Dia. (2.84 x 1.17")  
**Weight:** 142 g (5 oz)

**MOST POPULAR MODELS HIGHLIGHTED!**

**To Order (Specify Model Number)**

GAGE PRESSURE RANGES					
psi	bar	MODEL NO.	PRICE	COMPATIBLE METERS*	
0 to 1	0 to 68.9 mbar	PX480A-001GV	\$215	DP25B-S, DP41-S, DPiS Series	
0 to 6	0 to 414 mbar	PX480A-006GV	195	DP25B-S, DP41-S, DPiS Series	
0 to 15	0 to 1.0	PX480A-015GV	195	DP25B-S, DP41-S, DPiS Series	
0 to 30	0 to 2.1	PX480A-030GV	195	DP25B-S, DP41-S, DPiS Series	
0 to 60	0 to 4.1	PX480A-060GV	195	DP25B-S, DP41-S, DPiS Series	
0 to 100	0 to 6.9	PX480A-100GV	195	DP25B-S, DP41-S, DPiS Series	
0 to 200	0 to 13.8	PX480A-200GV	195	DP25B-S, DP41-S, DPiS Series	
0 to 300	0 to 20.7	PX480A-300GV	195	DP25B-S, DP41-S, DPiS Series	
0 to 500	0 to 34.5	PX480A-500GV	195	DP25B-S, DP41-S, DPiS Series	
0 to 1000	0 to 69.0	PX480A-1KSV	265	DP25B-S, DP41-S, DPiS Series	
0 to 2000	0 to 138	PX480A-2KSV	265	DP25B-S, DP41-S, DPiS Series	
0 to 3000	0 to 207	PX480A-3KSV	265	DP25B-S, DP41-S, DPiS Series	
VACUUM AND COMPOUND RANGES					
0 to -14.7	0 to -1.0	PX480A-015VACV	\$195	DP25B-S, DP41-S, DPiS Series	
-14.7 to 15	-1.0 to 1.0	PX480A-015CV	195	DP25B-S, DP41-S, DPiS Series	
-14.7 to 30	-1.0 to 2.1	PX480A-030CV	195	DP25B-S, DP41-S, DPiS Series	
-14.7 to 60	-1.0 to 4.1	PX480A-060CV	195	DP25B-S, DP41-S, DPiS Series	

OMEGA's PX480A Series transducers, designed for general industrial and commercial requirements, offer excellent performance in a wide range of applications. They are based on proven micro-machined silicon technology, providing high reliability, long-term stability, and low cost. They are extremely accurate, with less than 0.3% FS reference accuracy. Wetted parts are made of 316L stainless steel for a wide range of media compatibility.

**SPECIFICATIONS**

- Excitation:** 10 Vdc (regulated)
- Output:** 0 to 50 mV for 0 to 1 psi models, 0 to 100 mV for all other ranges; bridge output
- Load Resistance:** 50,000 Ω minimum
- Accuracy:** 0.3% BFSL maximum (includes linearity, hysteresis and repeatability)
- Operating Temperature:** -40 to 80°C (-40 to 176°F)
- Compensated Temperature:** -25 to 75°C (-13 to 167°F)
- Process Temperature:** -40 to 100°C (-40 to 212°F)
- Thermal Zero Effect:** 2% FS maximum over compensated temperature range
- Thermal Span Effect:** 2% FS maximum over compensated temperature range
- 1-Year Stability:** <0.25% FS
- Proof Pressure:** 2x FS
- Burst Pressure:** 3x FS

**Accessories**

MODEL NO.	PRICE	DESCRIPTION
PS-8E	\$10	Pressure snubber for water or light oils
PS-8D	10	Pressure snubber for dense liquids or oils
PS-8G	10	Pressure snubber for gases and steam
MS-1785	53	Reference Book: Industrial Control Systems

\* See section D for compatible meters.  
 Comes with complete operator's manual.  
**Ordering Example:** PX480A-100GV, 0 to 100 psig transducer with 1 to 100 mV output, \$195.

MILLIVOLT OUTPUT PRESSURE TRANSDUCERS B

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