

COMPACT PRESSURE TRANSDUCERS

ALL STAINLESS STEEL WETTED PARTS

0 to -14.7 to 0-3000 psi
0 to -1 to 0-207 bar

PX480A Series

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

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 max (includes linearity, hysteresis and repeatability)

Operating Temperature: -40 to 80°C (-40 to 176°F)

Compensated Temperature:
15 psi and Above: -25 to 75°C (-13 to 167°F)

6 psi and Below: 0 to 50°C (32 to 122°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

PX480A-015GV, shown actual size.



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

Metric thread adaptors available, visit us online

1-Year Stability: <0.25% FS
Proof Pressure: 2x FS
Burst Pressure: 3x FS
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 1/8 hex;
72 H x 29.7 mm Dia. (2.84 x 1.17")
Weight: 142 g (5 oz)

To Order

GAGE PRESSURE RANGES

psi	bar	MODEL NO.	COMPATIBLE METERS*
0 to 1	0 to 68.9 mbar	PX480A-001GV	DP25B-S, DP41-S, DPiS Series
0 to 6	0 to 414 mbar	PX480A-006GV	DP25B-S, DP41-S, DPiS Series
0 to 15	0 to 1.0	PX480A-015GV	DP25B-S, DP41-S, DPiS Series
0 to 30	0 to 2.1	PX480A-030GV	DP25B-S, DP41-S, DPiS Series
0 to 60	0 to 4.1	PX480A-060GV	DP25B-S, DP41-S, DPiS Series
0 to 100	0 to 6.9	PX480A-100GV	DP25B-S, DP41-S, DPiS Series
0 to 200	0 to 13.8	PX480A-200GV	DP25B-S, DP41-S, DPiS Series
0 to 300	0 to 20.7	PX480A-300GV	DP25B-S, DP41-S, DPiS Series
0 to 500	0 to 34.5	PX480A-500GV	DP25B-S, DP41-S, DPiS Series
0 to 1000	0 to 69.0	PX480A-1KSV	DP25B-S, DP41-S, DPiS Series
0 to 2000	0 to 138	PX480A-2KSV	DP25B-S, DP41-S, DPiS Series
0 to 3000	0 to 207	PX480A-3KSV	DP25B-S, DP41-S, DPiS Series

VACUUM AND COMPOUND RANGES

0 to -14.7	0 to -1.0	PX480A-015VACV	DP25B-S, DP41-S, DPiS Series
-14.7 to 15	-1.0 to 1.0	PX480A-015CV	DP25B-S, DP41-S, DPiS Series

Accessories

MODEL NO.	DESCRIPTION
PS-8E	Pressure snubber for water or light oils
PS-8D	Pressure snubber for dense liquids or oils
PS-8G	Pressure snubber for gases and steam

* Visit us online for compatible meters.

Comes complete with operator's manual.

Ordering Example: PX480A-100GV, 0 to 100 psig transducer with 1 to 100 mV output.



MILLIVOLT OUTPUT
PRESSURE TRANSDUCERS

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