



COMPACT PRESSURE TRANSDUCERS

ALL STAINLESS STEEL WETTED PARTS

PX481A Series

1 to 5 Vdc Output

Starts at
\$245



- ✓ Digitally Compensated for Excellent Total Accuracy and Interchangeability
- ✓ Gage, Absolute, Vacuum, and Compound Ranges Available
- ✓ Rugged, Compact Design
- ✓ RFI/EMI Protection
- ✓ 316L Stainless Steel Wetted Parts
- ✓ 1 to 5 V Output
- ✓ Cable and Connector Styles

OMEGA's PX481A Series transducers are designed for general industrial and commercial requirements and 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.

The PX481A is fully digitally compensated for the effects of pressure and temperature change. It is extremely accurate, with less than 0.3% FS reference accuracy and less than 1% FS over its compensated temperature range. Wetted parts are made of 316L stainless steel for a wide range of media compatibility.



PX481A-015G5V, \$245, shown larger than actual size.



PX481AD-015G5V, \$255, shown larger than actual size.

WIRING:		
Color	Pin	
Red	1	Ex +
Black	2	Common
White	3	Out +
Green	4	N/C

SPECIFICATIONS

Excitation: 9 to 30 Vdc
Output: 1 to 5 Vdc (3 wire)
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)
1-Year Stability: <0.25% FS

Proof Pressure: 2x FS
Burst Pressure: 3x FS
Wetted Parts: 316L stainless steel
Vibration: 10 g, 55 to 2000 Hz
Shock: 30 g
Process Connection: 1/8" NPT male
Electrical Connection: 18" 24-gage cable or DIN 43650-A connector
Dimensions: 1 1/2" hex; 72 H x 29.7 mm Dia. (2.84 x 1.17") [DIN connector adds 51 mm (2") to height]
Weight: 142 g (5 oz.)



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PX481AD-015G5V, \$255, shown larger than actual size.

PX481A-015G5V, \$245, shown larger than actual size.



VOLTAGE OUTPUT
PRESSURE TRANSDUCERS

B

ALL MODELS AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

GAGE PRESSURE RANGES

psi	bar	CABLE STYLE	PRICE	CONNECTOR STYLE	PRICE	COMPATIBLE METERS*
0 to 1	0 to 68.9 mbar	PX481A-001G5V	\$265	PX481AD-001G5V	\$275	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 6	0 to 413.7 mbar	PX481A-006G5V	245	PX481AD-006G5V	255	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 15	0 to 1.0	PX481A-015G5V	245	PX481AD-015G5V	255	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 30	0 to 2.1	PX481A-030G5V	245	PX481AD-030G5V	255	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 60	0 to 4.1	PX481A-060G5V	245	PX481AD-060G5V	255	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 100	0 to 6.9	PX481A-100G5V	245	PX481AD-100G5V	255	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 200	0 to 13.8	PX481A-200G5V	245	PX481AD-200G5V	255	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 300	0 to 20.7	PX481A-300G5V	245	PX481AD-300G5V	255	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 500	0 to 34.5	PX481A-500G5V	245	PX481AD-500G5V	255	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 1000	0 to 69.0	PX481A-1KS5V	265	PX481AD-1KS5V	275	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 2000	0 to 138	PX481A-2KS5V	265	PX481AD-2KS5V	275	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 3000	0 to 207	PX481A-3KS5V	265	PX481AD-3KS5V	275	DP24-E, DP25B-E, DP41-E, DPi Series

VACUUM AND COMPOUND RANGES

0 to -15	0 to -1.0	PX481A-015VAC5V	\$245	PX481AD-015VAC5V	\$255	DP24-E, DP25B-E, DP41-E, DPi Series
-14.7 to 15	-1.0 to 1.0	PX481A-015C5V	245	PX481AD-015C5V	255	DP24-E, DP25B-E, DP41-E, DPi Series
-14.7 to 30	-1.0 to 2.1	PX481A-030C5V	245	PX481AD-030C5V	255	DP24-E, DP25B-E, DP41-E, DPi Series
-14.7 to 60	-1.0 to 4.1	PX481A-060C5V	245	PX481AD-060C5V	255	DP24-E, DP25B-E, DP41-E, DPi Series

ABSOLUTE PRESSURE RANGES

0 to 15	0 to 1.0	PX481A-015A5V	\$265	PX481AD-015A5V	\$275	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 30	0 to 2.1	PX481A-030A5V	265	PX481AD-030A5V	275	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 60	0 to 4.1	PX481A-060A5V	265	PX481AD-060A5V	275	DP24-E, DP25B-E, DP41-E, DPi Series

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
GE-0624	110	Reference Book: The Wiley Engineer's Desk Reference

* See section D for compatible meters.

Comes with complete operator's manual.

Ordering Example: PX481A-100G5V, 0 to 100 psig cable style transducer with 1 to 5 Vdc output, \$245.



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Freephone 0800 488 488 | International +44(0) 161 777 6622 | Fax +44(0) 161 777 6622 | Sales@omega.co.uk

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