

# COMPACT PRESSURE TRANSMITTERS

## ALL STAINLESS STEEL WETTED PARTS



### PX482A Series

4 to 20 mA 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
- ✓ 4 to 20 mA 2-Wire Loop Output
- ✓ Cable and Connector Styles

OMEGA's PX482A 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 PX482A 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.



PX482A-015GI, \$245, shown larger than actual size.

PX482AD-015GI, \$255, shown larger than actual size.



Connections:		
Wire Color	Pin	
Red	1	+ IN
Black	2	- IN

### SPECIFICATIONS

- Excitation:** 11 to 30 Vdc
- Output:** 4 to 20 mA (2 wire)
- Load Resistance:** 50 x (supply voltage - 11)  $\Omega$
- 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:** 0.4 m (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)



CURRENT OUTPUT  
PRESSURE TRANSDUCERS  
**B**

# COMPACT PRESSURE TRANSMITTERS



PX482AD-015GI, \$255,  
shown larger than actual size.

PX482A-015GI, \$245,  
shown larger than actual size.

  **MOST POPULAR MODELS HIGHLIGHTED!**

<b>To Order (Specify Model Number)</b>						
<b>GAGE PRESSURE RANGES</b>						
psi	bar	CABLE STYLE	PRICE	CONNECTOR STYLE	PRICE	COMPATIBLE METERS*
0 to 1	0 to 68.9 mbar	PX482A-001GI	\$265	PX482AD-001GI	\$275	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 6	0 to 413.7 mbar	PX482A-006GI	245	PX482AD-006GI	255	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 15	0 to 1.0	PX482A-015GI	245	PX482AD-015GI	255	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 30	0 to 2.1	PX482A-030GI	245	PX482AD-030GI	255	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 60	0 to 4.1	PX482A-060GI	245	PX482AD-060GI	255	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 100	0 to 6.9	PX482A-100GI	245	PX482AD-100GI	255	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 200	0 to 13.8	PX482A-200GI	245	PX482AD-200GI	255	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 300	0 to 20.7	PX482A-300GI	245	PX482AD-300GI	255	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 500	0 to 34.5	PX482A-500GI	245	PX482AD-500GI	255	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 1000	0 to 69.0	PX482A-1KSI	265	PX482AD-1KSI	265	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 2000	0 to 138	PX482A-2KSI	265	PX482AD-2KSI	265	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 3000	0 to 207	PX482A-3KSI	265	PX482AD-3KSI	265	DP24-E, DP25B-E, DP41-E, DPi Series
<b>VACUUM AND COMPOUND RANGES</b>						
0 to -14.7	0 to -1.0	PX482A-015VACI	\$245	PX482AD-015VACI	\$255	DP24-E, DP25B-E, DP41-E, DPi Series
-14.7 to 15	-1.0 to 1.0	PX482A-015CI	245	PX482AD-015CI	255	DP24-E, DP25B-E, DP41-E, DPi Series
-14.7 to 30	-1.0 to 2.1	PX482A-030CI	245	PX482AD-030CI	255	DP24-E, DP25B-E, DP41-E, DPi Series
-14.7 to 60	-1.0 to 4.1	PX482A-060CI	245	PX482AD-060CI	255	DP24-E, DP25B-E, DP41-E, DPi Series
<b>ABSOLUTE PRESSURE RANGES</b>						
0 to 15	0 to 1.0	PX482A-015AI	\$265	PX482AD-015AI	\$275	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 30	0 to 2.1	PX482A-030AI	265	PX482AD-030AI	275	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 60	0 to 4.1	PX482A-060AI	265	PX482AD-060AI	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
PE-1011	110	Reference Book: Instrumentation for Engineering Measurements

\* See section D for compatible meters.

Comes with complete operator's manual.

Ordering Example: PX482A-100GI, 0 to 100 psig cable style transducer with 4 to 20 mA output, \$245.



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