

GENERAL PURPOSE CURRENT OUTPUT PRESSURE TRANSMITTER

AVAILABLE IN GAGE, ABSOLUTE, AND VACUUM RANGES

PX305/PX315 Series
Vacuum to 10,000 psi (690 bar)



CURRENT OUTPUT
PRESSURE TRANSDUCERS
B



Starts at
\$310

PX305-100GI, cable style, \$310, shown actual size.

PX315-100GI, connector style, \$330, shown actual size.



- ✓ Cable with Integral Strain Relief or DIN Connector
- ✓ Welded Stainless Steel Construction
- ✓ NEMA 4 (IP65) Enclosure
- ✓ Reverse Polarity Protected
- ✓ 0.25% Full Scale Accuracy

SPECIFICATIONS

Excitation: 12 to 30 Vdc unregulated

Output: 4 to 20 mA (2-wire reverse polarity protected)

Max Loop Resistance: $(V_{power} - V_{min}) \times 50$ (1500 Ω max)

Accuracy: $\pm 0.25\%$ FS (linearity, hysteresis, repeatability); vacuum ranges $\pm 0.35\%$ typ, $\pm 0.5\%$ max

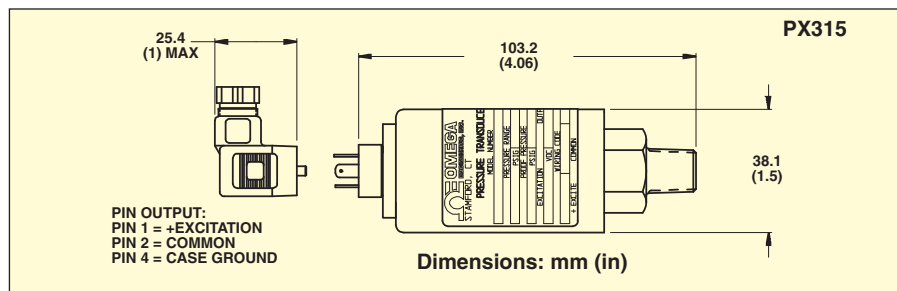
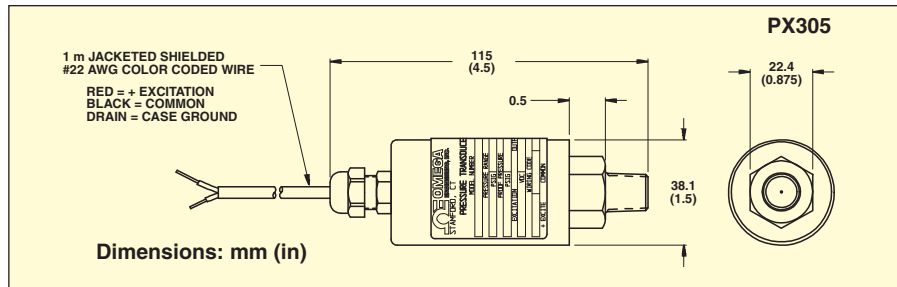
Zero Balance: 4 mA $\pm 0.2\%$

Span: 16 mA $\pm 0.4\%$ FS

Long-Term Stability: $\pm 0.5\%$ FS

Operating Temperature: -18 to 71°C (0 to 160°F)

Compensated Temperature: -1 to 71°C (30 to 160°F)



Total Thermal Effects: 1% FS max over compensated range

Proof Pressure: 200% or 13,000 psi max, whichever is less

Gage Type: Stainless steel diaphragm, silicone oil-filled semiconductor sensor

Shock: 50 g @ 11 ms

Vibration: 15 g, 10 to 2000 Hz

Wetted Parts: 17-4 PH and 300 Series stainless steel

Pressure Port: 1/4 NPT male

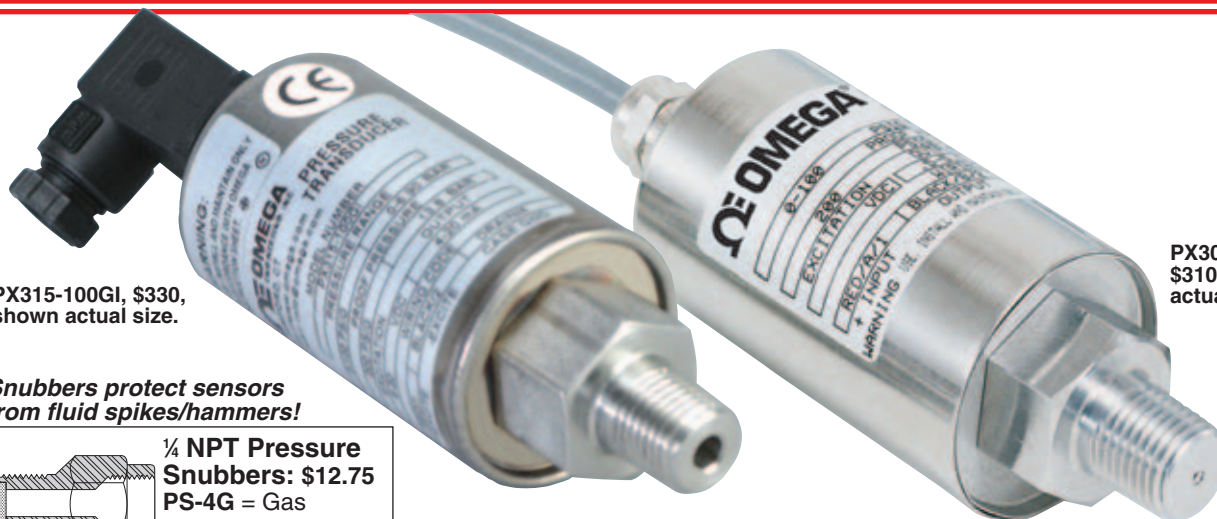
Electrical Connection:

PX305: 1 m (3') 4-conductor, 22 AWG, PVC jacketed, shielded cable

PX315: Miniature DIN connector (included)

Weight: 210g (7.4 oz) to 1000 psi
266 g (9.4 oz) from 1000 psi and higher

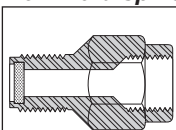
CURRENT OUTPUT PRESSURE TRANSMITTER



PX315-100GI, \$330, shown actual size.

PX305-100GI, \$310, shown actual size.

Snubbers protect sensors from fluid spikes/hammers!



¼ NPT Pressure Snubbers: \$12.75
 PS-4G = Gas
 PS-4E = Lt Oil
 PS-4D = Dense Lq

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

psi	bar	CABLE STYLE	PRICE	CONNECTOR STYLE	PRICE	COMPATIBLE METERS*
GAGE PRESSURE RANGES						
0 to 15	0 to 1.0	PX305-015GI	\$310	PX315-015GI	\$330	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 30	0 to 2.1	PX305-030GI	310	PX315-030GI	330	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 50	0 to 3.4	PX305-050GI	310	PX315-050GI	330	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 100	0 to 6.9	PX305-100GI	310	PX315-100GI	330	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 200	0 to 13.8	PX305-200GI	310	PX315-200GI	330	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 300	0 to 20.7	PX305-300GI	310	PX315-300GI	330	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 500	0 to 34.5	PX305-500GI	310	PX315-500GI	330	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 1000	0 to 69.0	PX305-1KGI	310	PX315-1KGI	330	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 2000	0 to 138	PX305-2KGI	310	PX315-2KGI	330	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 3000	0 to 207	PX305-3KGI	310	PX315-3KGI	330	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 4000	0 to 276	PX305-4KGI	310	PX315-4KGI	330	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 5000	0 to 345	PX305-5KGI	310	PX315-5KGI	330	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 7500	0 to 517	PX305-7.5KGI	310	PX315-7.5KGI	330	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 10,000	0 to 690	PX305-10KGI	310	PX315-10KGI	330	DP24-E, DP25B-E, DP41-E, DPi Series
VACUUM AND ABSOLUTE PRESSURE RANGES						
0 to -14.7	0 to -1.0	PX305-30VACI	\$310	PX315-30VACI	\$330	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 15	0 to 1.0	PX305-015AI	310	PX315-015AI	330	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 30	0 to 2.1	PX305-030AI	310	PX315-030AI	330	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 50	0 to 3.4	PX305-050AI	310	PX315-050AI	330	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 100	0 to 6.9	PX305-100AI	310	PX315-100AI	330	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 200	0 to 13.8	PX305-200AI	310	PX315-200AI	330	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 300	0 to 20.7	PX305-300AI	310	PX315-300AI	330	DP24-E, DP25B-E, DP41-E, DPi Series

Comes complete with operator's manual. * See section D for compatible meters.

Ordering Example: PX305-3KGI, 3000 psig full scale rating, 4 to 20 mA DC at the full scale level, \$310.

PX305-30VACI, vacuum, 0 to -14.7 psi, range 4 to 20 mA output, \$310.

ACCESSORIES

MODEL NO.	PRICE	DESCRIPTION
PS-4E	\$12.75	Pressure snubber for water or light oils
PS-4D	12.75	Pressure snubber for dense liquids or oils
PS-4G	12.75	Pressure snubber for gases and steam

Recommended Reference Book:
 Heating Ventilating and Air Conditioning
 Analysis and Design,
MS-1001, \$120
 See Section Y For Additional Books



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