

GENERAL PURPOSE 5 OR 10 Vdc OUTPUT PRESSURE SENSORS

VOLTAGE OUTPUT PRESSURE TRANSDUCERS
B

15 to 10,000 psi
1 to 690 bar



PX313-100G5V shown actual size. DIN connector included.

PX303-2KG5V shown actual size.

Metric thread adaptors available, visit OMEGA

PX303/PX313 Series

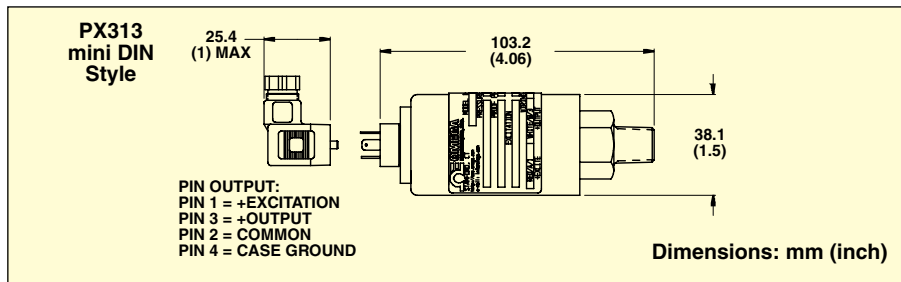
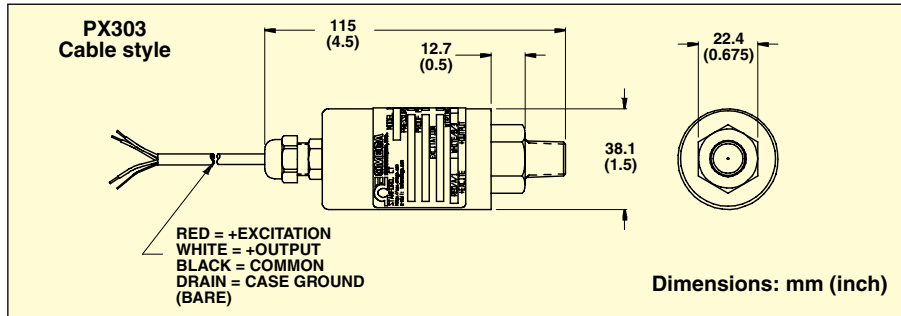
Product Discontinued

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

SPECIFICATIONS

5V Output (10V Output)

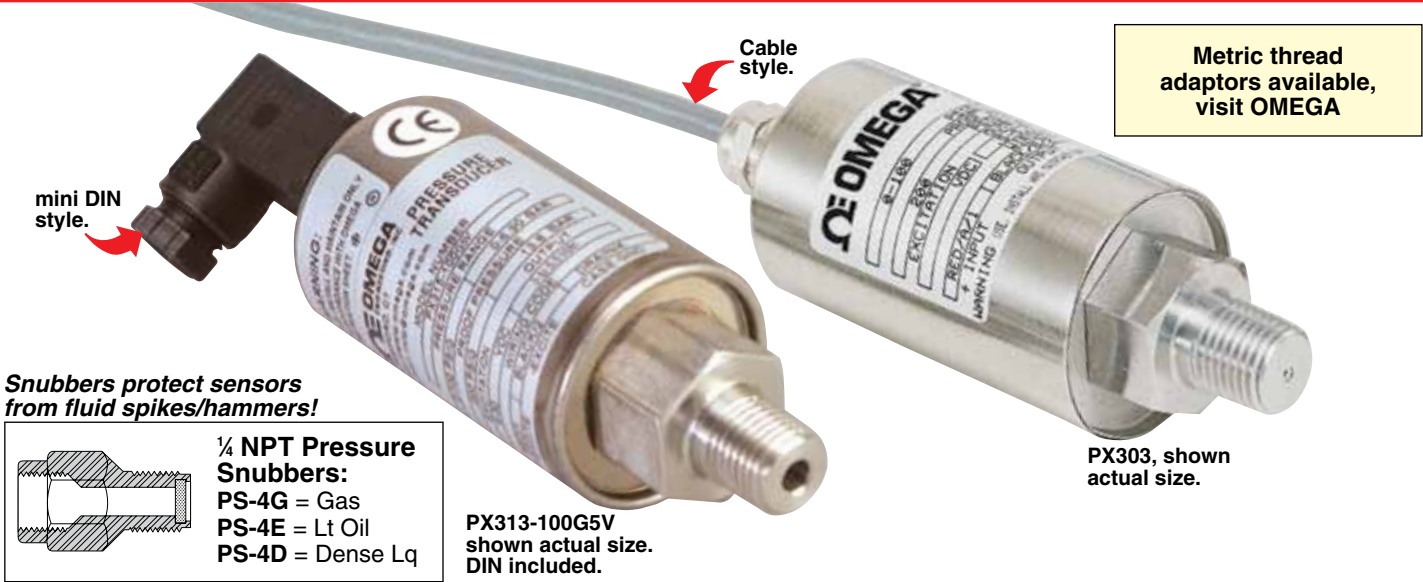
- Excitation: 9 to 30 Vdc (14 to 30 Vdc) unregulated
- Quiescent Current: 15 mA max
- Output: 0.5 to 5.5 (1 to 11) Vdc
- Accuracy: 0.25% FS (linearity, hysteresis, repeatability)
- Zero Balance: ±2% FS
- Span Tolerance: ±1% FS
- Long-Term Stability: ±0.5% FS
- Typical Life: 100 million cycles
- Operating 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



- Proof Pressure: 200%, 13,000 psi max
- Min Load Resistance: 2000 Ω
- Response Time: 1 ms
- 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: ¼ NPT male
- Pressure Cavity: 0.075 in³
- Electrical Connection:
 - PX303: 1 m (3') 4-conductor, 22 AWG, PVC jacketed, shielded cable
 - PX313: mini DIN connector (included)
- Weight: 221 g (7.8 oz) to 1000 psi
281 g (9.9 oz) from 1000 psi and higher

GENERAL PURPOSE PRESSURE SENSORS



To Order

psi	bar	CABLE STYLE	CONNECTOR STYLE	COMPATIBLE METERS
GAGE PRESSURE RANGES				
0 to 15	0 to 1.0	PX303-015G5V	PX313-015G5V	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 30	0 to 2.1	N/A	PX313-030G5V	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 50	0 to 3.4	PX303-050G5V	PX313-050G5V	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 100	0 to 6.9	PX303-100G5V	PX313-100G5V	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 200	0 to 13.8	PX303-200G5V	PX313-200G5V	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 300	0 to 20.7	PX303-300G5V	PX313-300G5V	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 500	0 to 34.5	PX303-500G5V	PX313-500G5V	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 1000	0 to 69.0	PX303-1KG5V	PX313-1KG5V	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 2000	0 to 138	PX303-2KG5V	PX313-2KG5V	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 3000	0 to 207	PX303-3KG5V	PX313-3KG5V	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 4000	0 to 276	N/A	–	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 5000	0 to 345	PX303-5KG5V	PX313-5KG5V	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 7500	0 to 517	PX303-7.5KG5V	–	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 10,000	0 to 690	PX303-10KG5V	–	DP24-E, DP25B-E, DP41-E, DPi Series
ABSOLUTE PRESSURE RANGES				
0 to 15	0 to 1.0	PX303-015A5V	–	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 30	0 to 2.1	PX303-030A5V	PX313-030A5V	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 50	0 to 3.4	PX303-050A5V	PX313-050A5V	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 100	0 to 6.9	PX303-100A5V	PX313-100A5V	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 200	0 to 13.8	PX303-200A5V	PX313-200A5V	DP24-E, DP25B-E, DP41-E, DPi Series
0 to 300	0 to 20.7	N/A	PX313-300A5V	DP24-E, DP25B-E, DP41-E, DPi Series

Comes complete with operator's manual.

To order models with 1 to 11 Vdc output, replace "5V" with "10V" in model number and consult sales for price and delivery.

Ordering Examples: PX303-050G10V, 1 to 11 Vdc output, 50 psi gage pressure sensor.

PX313-100G5V, 0.5 to 5.5 Vdc output, 100 psi gage pressure sensor.

ACCESSORIES

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