

# GENERAL PURPOSE 100 MILLIVOLT OUTPUT PRESSURE SENSOR

## AVAILABLE IN ABSOLUTE AND GAGE MODELS

**PX302/PX312 Series**  
 15 to 10,000 psi  
 1 to 690 Bar



**books1.com**  
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Starts at  
**\$215**



MILLIVOLT OUTPUT  
 PRESSURE TRANSDUCERS  
**B**



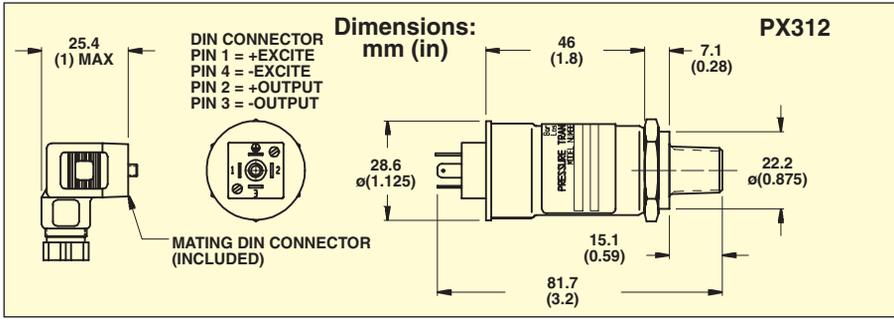
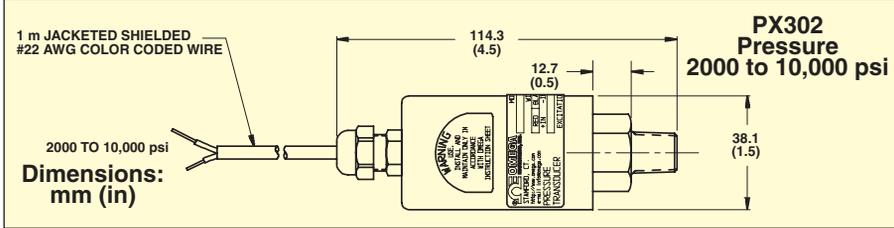
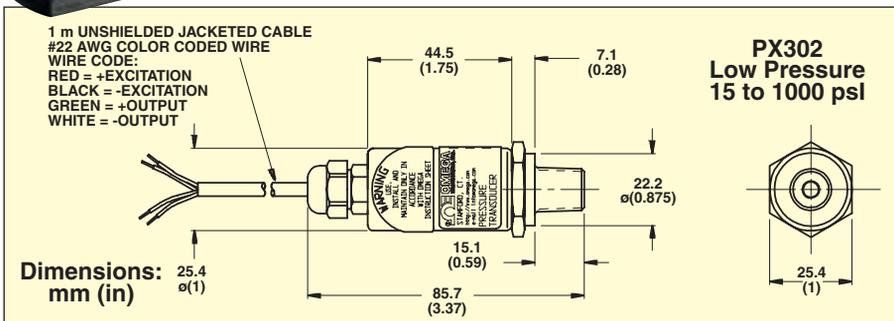
PX312-100GV, \$235, DIN connector included.

PX302-015GV, \$215, shown with DP41-S meter, \$545, and PS-4G snubber, \$10. Shown smaller than actual size.

- ✓ Rugged All Stainless Steel Construction
- ✓ Integral Strain Relief for Cable or DIN Connector
- ✓ High Sensitivity 10 mV/V Output
- ✓ NEMA 3 Enclosure

### SPECIFICATIONS

**Excitation:** 10 Vdc (5 to 15 Vdc limits)  
**Output:** 10 mV/V ratiometric  
 100 mV ±1 mV @ 10 Vdc  
**Accuracy:** 0.25% BFS (linearity, hysteresis, repeatability)  
**Zero Balance:** 0 mV ±2 mV  
**Input Resistance:** 15,000 Ω maximum  
**Long-Term Stability:** ±0.5% FS  
**Typical Life:** 100 million cycles  
**Operating Temperature:** -18 to 71°C (0 to 160°F)



# GENERAL PURPOSE PRESSURE SENSOR

**Compensated Temperature:**

-1 to 71°C (30 to 160°F)

**Total Thermal Effects:** ±1% FS max

**Proof Pressure:** 200%, 13,000 psi max

**Response Time:** 1 ms

**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

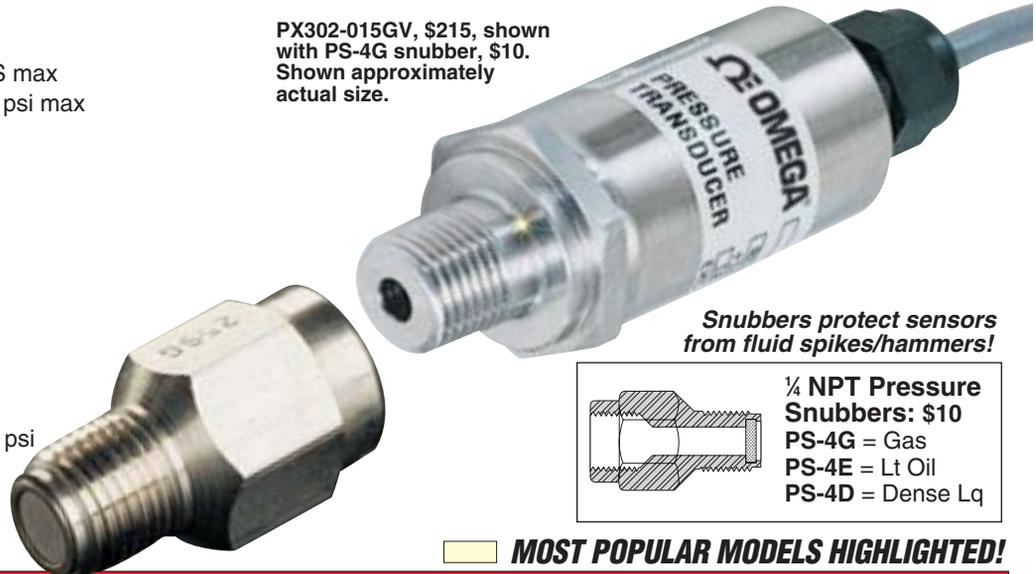
**Electrical Connection:**

**PX302:** 1 m (3') 4-conductor unshielded cable

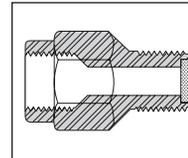
**PX312:** Miniature DIN connector (included)

**Weight:** 131 g (4.6 oz) to 1000 psi  
190 g (6.7 oz) from 1000 psi

PX302-015GV, \$215, shown with PS-4G snubber, \$10. Shown approximately actual size.



*Snubbers protect sensors from fluid spikes/hammers!*



¼ NPT Pressure Snubbers: \$10  
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*
<b>GAGE PRESSURE RANGES</b>						
0 to 15	0 to 1.0	PX302-015GV	\$215	PX312-015GV	\$235	DP25B-S, DP41-S, DPiS Series
0 to 30	0 to 2.1	PX302-030GV	215	PX312-030GV	235	DP25B-S, DP41-S, DPiS Series
0 to 50	0 to 3.4	PX302-050GV	215	PX312-050GV	235	DP25B-S, DP41-S, DPiS Series
0 to 100	0 to 6.9	PX302-100GV	215	PX312-100GV	235	DP25B-S, DP41-S, DPiS Series
0 to 200	0 to 13.8	PX302-200GV	215	PX312-200GV	235	DP25B-S, DP41-S, DPiS Series
0 to 300	0 to 20.7	PX302-300GV	215	PX312-300GV	235	DP25B-S, DP41-S, DPiS Series
0 to 500	0 to 34.5	PX302-500GV	215	PX312-500GV	235	DP25B-S, DP41-S, DPiS Series
0 to 1000	0 to 69.0	PX302-1KGV	215	PX312-1KGV	235	DP25B-S, DP41-S, DPiS Series
0 to 2000	0 to 138	PX302-2KGV	215	PX312-2KGV	235	DP25B-S, DP41-S, DPiS Series
0 to 3000	0 to 207	PX302-3KGV	215	PX312-3KGV	235	DP25B-S, DP41-S, DPiS Series
0 to 4000	0 to 276	PX302-4KGV	215	PX312-4KGV	235	DP25B-S, DP41-S, DPiS Series
0 to 5000	0 to 345	PX302-5KGV	215	PX312-5KGV	235	DP25B-S, DP41-S, DPiS Series
0 to 7500	0 to 517	PX302-7.5KGV	215	PX312-7.5KGV	235	DP25B-S, DP41-S, DPiS Series
0 to 10,000	0 to 690	PX302-10KGV	215	PX312-10KGV	235	DP25B-S, DP41-S, DPiS Series
<b>ABSOLUTE PRESSURE RANGES</b>						
0 to 15	0 to 1.0	PX302-015AV	\$215	PX312-015AV	\$235	DP25B-S, DP41-S, DPiS Series
0 to 30	0 to 2.1	PX302-030AV	215	PX312-030AV	235	DP25B-S, DP41-S, DPiS Series
0 to 50	0 to 3.4	PX302-050AV	215	PX312-050AV	235	DP25B-S, DP41-S, DPiS Series
0 to 100	0 to 6.9	PX302-100AV	215	PX312-100AV	235	DP25B-S, DP41-S, DPiS Series
0 to 200	0 to 13.8	PX302-200AV	215	PX312-200AV	235	DP25B-S, DP41-S, DPiS Series
0 to 300	0 to 20.7	PX302-300AV	215	PX312-300AV	235	DP25B-S, DP41-S, DPiS Series

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

**Ordering Example:** PX302-050GV, pressure transducer with 50 psig full scale rating and PS-4E pressure snubber for water and light oils, \$215 + 10 = \$225.

**ACCESSORIES**

MODEL NO.	PRICE	DESCRIPTION
PS-4E	\$10	Pressure snubber for water or light oils
PS-4D	10	Pressure snubber for dense liquids or oils
PS-4G	10	Pressure snubber for gases and steam
MS-1808	\$125	Reference Book: Plant Engineer's Handbook





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