

# ALL STAINLESS STEEL TRANSDUCER MULTIMEDIA COMPATIBILITY HIGH-PERFORMANCE SILICON TECHNOLOGY

Engineered from  
1 to 10,000 psi.

**PX309 Series**  
Gage/Absolute Pressure  
0 to 5 Vdc Output  
0-1 to 0-10,000 psia  
0-70 mbar to 0-690 bar

Starts at  
**\$225**



- ✓ 1, 2, and 5 psi Low Pressure Ranges
- ✓ Rugged, Solid State Design
- ✓ All Stainless Steel
- ✓ High Stability, Low Drift
- ✓ 0.25% Accuracy
- ✓ RoHS Compliant
- ✓ IP65 Protection Class

## SPECIFICATIONS

**Excitation:** 9 to 30 Vdc (<10 mA)  
(reverse polarity and overvoltage protected)

**Output:** 0 to 5 Vdc

**Accuracy:**  $\pm 0.25\%$  FS BSL at 25°C;  
includes linearity, hysteresis and repeatability

**Zero Offset:**  $\pm 2\%$  FSO;  
 $\pm 4\%$  for 1 and 2 psi ranges

**Span Setting:**  $\pm 2\%$  FSO;  
 $\pm 4\%$  for 1 and 2 psi ranges

**Total Error Band:**  $\pm 2\%$  FSO, includes linearity, hysteresis, repeatability, thermal hysteresis and thermal errors (except 1 psi =  $\pm 4.5\%$  and 2 psi =  $\pm 3\%$ )

**Long-Term Stability (1 Year):**  
 $\pm 0.25\%$  typical

**Typical Life:** 10 million cycles

**Operating Temperature:** -40 to 85°C  
(-40 to 185°F)

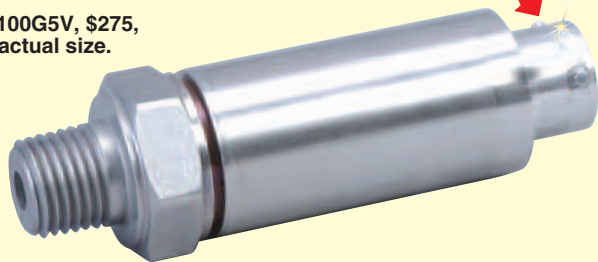
**Compensated Temperature:**  
>5 psi Range: -20 to 85°C (-4 to 185°F)  
≤5 psi Range: 0 to 50°C (32 to 122°F)

**Proof Pressure:**  
psia and ≤50 psig: 3x capacity  
or 20 psi, whichever is greater  
≥100 psi: 2x capacity

PX309-100G5V, \$225,  
shown actual size.



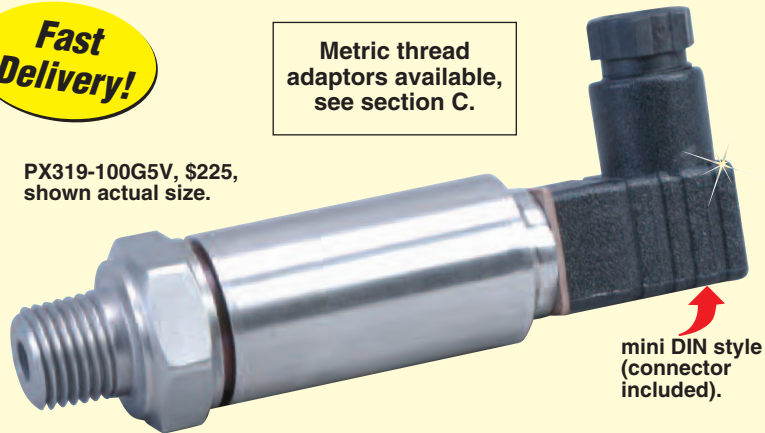
PX329-100G5V, \$275,  
shown actual size.



**Fast  
Delivery!**

Metric thread  
adaptors available,  
see section C.

PX319-100G5V, \$225,  
shown actual size.



**Burst Pressure:** 5x capacity or 25 psi,  
whichever is greater

**Response Time:** <1 ms

**Shock:** 50 g, 11 ms half-sine shock

**Vibration:**  $\pm 20$  g

**Wetted Parts:** 316 SS for all psia  
ranges and 1 to 50 psig; 17-4 PH SS for  
ranges 100 to 10,000 psig

**Pressure Port:** 1/4-18 MNPT

**Electrical Connections:**

**PX309:** 1.5 m (5') 3-conductor cable

**PX319:** mini DIN connector with  
mating connector included

**PX329:** Twist-lock connector,  
mating connector sold separately  
(PT06V-10-6S)

**Weight:** 155 g (5.4 oz) max

**Note:** Units 100 psig and above may be  
subjected to vacuum on the pressure  
port without damage

For alternative performance  
specifications contact Engineering.

Order a  
snubber to  
protect your  
pressure  
transducer!

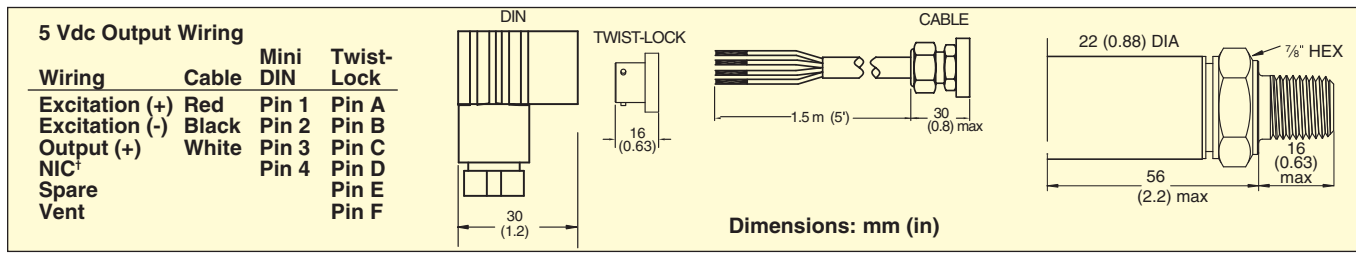


PS-4G, \$12.75, shown actual size.

Snubbers protect sensors  
from fluid hammers/spikes.

VOLTAGE OUTPUT  
PRESSURE TRANSDUCERS  
**B**

# RUGGED, GENERAL PURPOSE TRANSDUCER



**LOW-PRESSURE RANGES HIGHLIGHTED**

## To Order (Specify Model Number)

RANGE		1.5 m CABLE CONNECTION	PRICE	MINI DIN CONNECTION	PRICE	TWIST-LOCK CONNECTION	PRICE
bar	psi						
<b>ABSOLUTE PRESSURE</b>							
0 to 0.34	0 to 5	PX309-005A5V	\$325	PX319-005A5V	\$325	PX329-005A5V	\$350
0 to 1	0 to 15	PX309-015A5V	245	PX319-015A5V	245	PX329-015A5V	295
0 to 2.1	0 to 30	PX309-030A5V	245	PX319-030A5V	245	PX329-030A5V	295
0 to 3.4	0 to 50	PX309-050A5V	245	PX319-050A5V	245	PX329-050A5V	295
0 to 6.9	0 to 100	PX309-100A5V	245	PX319-100A5V	245	PX329-100A5V	295
0 to 14	0 to 200	PX309-200A5V	245	PX319-200A5V	245	PX329-200A5V	295
0 to 21	0 to 300	PX309-300A5V	245	PX319-300A5V	245	PX329-300A5V	295
<b>GAGE PRESSURE</b>							
0 to 0.07	0 to 1	PX309-001G5V	\$345	PX319-001G5V	\$345	PX329-001G5V	\$370
0 to 0.14	0 to 2	PX309-002G5V	325	PX319-002G5V	325	PX329-002G5V	350
0 to 0.34	0 to 5	PX309-005G5V	300	PX319-005G5V	300	PX329-005G5V	325
0 to 1	0 to 15	PX309-015G5V	225	PX319-015G5V	225	PX329-015G5V	275
0 to 2.1	0 to 30	PX309-030G5V	225	PX319-030G5V	225	PX329-030G5V	275
0 to 3.4	0 to 50	PX309-050G5V	225	PX319-050G5V	225	PX329-050G5V	275
0 to 6.9	0 to 100	PX309-100G5V	225	PX319-100G5V	225	PX329-100G5V	275
0 to 10	0 to 150	PX309-150G5V	225	PX319-150G5V	225	PX329-150G5V	275
0 to 14	0 to 200	PX309-200G5V	225	PX319-200G5V	225	PX329-200G5V	275
0 to 21	0 to 300	PX309-300G5V	225	PX319-300G5V	225	PX329-300G5V	275
0 to 34	0 to 500	PX309-500G5V	225	PX319-500G5V	225	PX329-500G5V	275
0 to 69	0 to 1000	PX309-1KG5V	225	PX319-1KG5V	225	PX329-1KG5V	275
0 to 138	0 to 2000	PX309-2KG5V	225	PX319-2KG5V	225	PX329-2KG5V	275
0 to 207	0 to 3000	PX309-3KG5V	225	PX319-3KG5V	225	PX329-3KG5V	275
0 to 345	0 to 5000	PX309-5KG5V	225	PX319-5KG5T	225	PX329-5KG5V	275
0 to 517	0 to 7500	PX309-7.5KG5V	225	PX319-7.5KG5V	225	PX329-7.5KG5V	275
0 to 690	0 to 10,000	PX309-10KG5V	225	PX319-10KG5V	225	PX329-10KG5V	275

## ACCESSORIES

MODEL NO.	PRICE	DESCRIPTION
CAL-3	150.00	Recalibration: 5-point NIST traceable
PT06V-10-6S	26.50	Mating twist-lock connector for PX329
CA-39-4PC22-5	90.00	Mating twist-lock connector with 1.5 m (5') cable for PX329
CX5302	15.00	Extra mating mini DIN connector for PX319

**1/4 NPT Pressure Snubbers: \$12.75**  
**PS-4G** = Gas  
**PS-4E** = Lt Oil  
**PS-4D** = Dense Lq

Comes complete with 5-point NIST-traceable calibration.

**Ordering Examples:** PX309-100G5V, 100 psi gage pressure transducer with 0 to 5 Vdc output and 1 m cable termination, \$225.

PX319-015A5V, 15 psi absolute pressure transducer with 0 to 5 Vdc output and mini DIN termination, \$300. PX329-3KG5V, 3000 psi gage pressure transducer with 0 to 5 Vdc output and twist-lock termination, \$275. Mating connector sold separately; order PT06V-10-6S, \$26.50.

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