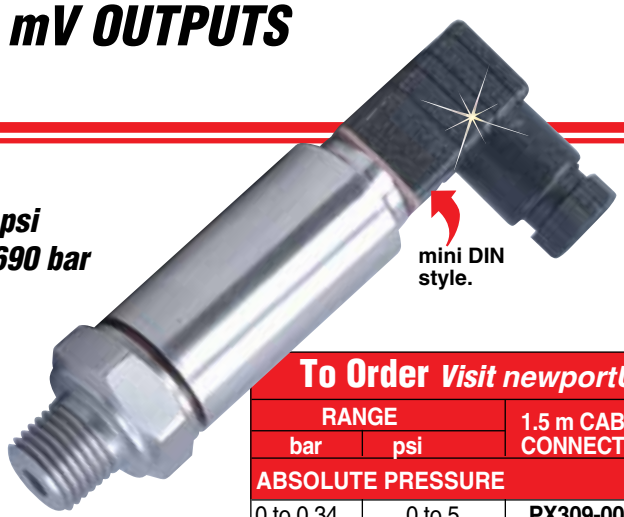
HOW TO ORDER PX309 SERIES
WITH 100 mV OUTPUTS

100 mV Output
0-1 to 0-10,000 psi
0-70 mbar to 0-690 bar



mini DIN style.

PX319-050GV, mini DIN connector included, shown smaller than actual size.

Metric thread adaptors available

PX309 Series

NIST CE RoHS
Standard

- Gage or Absolute Pressure
- Low Pressure to 1 psig
- Rugged Solid State Design
- All Stainless Steel Construction
- High Stability, Low Drift
- 0.25% Accuracy

100 mV OUTPUT SPECIFICATIONS

Excitation:
0 to 50 psig and All psia Ranges: 10 Vdc (ratiometric), (5 to 12 Vdc limits)
100 to 10,000 psig Ranges: 5 Vdc (ratiometric), (3 to 10 Vdc limits)
Output: 0 to 100 mV, except 2 psi = 40 mV and 1 psi = 20 mV
Accuracy: ±0.25% FS BSL at 25°C; includes linearity, hysteresis and repeatability
Zero Offset: ±2% FSO; ±4% for 1 and 2 psi ranges
Span Setting: ±2% FSO; ±4% for 1 and 2 psi ranges
Compensated Temperature: 0 to 50°C (32 to 122°F)
Thermal Zero and Span Effects (Over Compensated Range):
15 to 10,000 psi Ranges: ±2% FSO
5 psi Range: ±3% FSO
2 psi Range: ±4% FSO
1 psi Range: ±5% FSO

To Order *Visit newportUS.com/px309 for Pricing and Details*

RANGE bar	RANGE psi	1.5 m CABLE CONNECTION	MINI DIN CONNECTION	TWIST-LOCK CONNECTION
ABSOLUTE PRESSURE				
0 to 0.34	0 to 5	PX309-005AV	PX319-005AV	PX329-005AV
0 to 1	0 to 15	PX309-015AV	PX319-015AV	PX329-015AV
0 to 2.1	0 to 30	PX309-030AV	PX319-030AV	PX329-030AV
0 to 3.4	0 to 50	PX309-050AV	PX319-050AV	PX329-050AV
0 to 6.9	0 to 100	PX309-100AV	PX319-100AV	PX329-100AV
0 to 14	0 to 200	PX309-200AV	PX319-200AV	PX329-200AV
0 to 21	0 to 300	PX309-300AV	PX319-300AV	PX329-300AV
GAGE PRESSURE				
0 to 0.07	0 to 1	PX309-001GV	PX319-001GV	PX329-001GV
0 to 0.14	0 to 2	PX309-002GV	PX319-002GV	PX329-002GV
0 to 0.34	0 to 5	PX309-005GV	PX319-005GV	PX329-005GV
0 to 1	0 to 15	PX309-015GV	PX319-015GV	PX329-015GV
0 to 2.1	0 to 30	PX309-030GV	PX319-030GV	PX329-030GV
0 to 3.4	0 to 50	PX309-050GV	PX319-050GV	PX329-050GV
0 to 6.9	0 to 100	PX309-100GV	PX319-100GV	PX329-100GV
0 to 10	0 to 150	PX309-150GV	PX319-150GV	PX329-150GV
0 to 14	0 to 200	PX309-200GV	PX319-200GV	PX329-200GV
0 to 21	0 to 300	PX309-300GV	PX319-300GV	PX329-300GV
0 to 34	0 to 500	PX309-500GV	PX319-500GV	PX329-500GV
0 to 69	0 to 1000	PX309-1KGV	PX319-1KGV	PX329-1KGV
0 to 138	0 to 2000	PX309-2KGV	PX319-2KGV	PX329-2KGV
0 to 207	0 to 3000	PX309-3KGV	PX319-3KGV	PX329-3KGV
0 to 345	0 to 5000	PX309-5KGV	PX319-5KGV	PX329-5KGV
0 to 517	0 to 7500	PX309-7.5KGV	PX319-7.5KGV	PX329-7.5KGV
0 to 690	0 to 10,000	PX309-10KGV	PX319-10KGV	PX329-10KGV

Comes complete with 5-point NIST-traceable calibration.

Notes: *1. Units 100 psig and above may be subjected to vacuum on the pressure port without damage. 2. For alternative performance specifications to suit your application, contact Engineering.*

Ordering Examples: PX309-100GV, *100 psi gage pressure transducer with 100 mV output at 5 Vdc excitation and 1.5 m cable termination.* ***PX319-015AV,*** *15 psi absolute pressure transducer with 100 mV output @ 10 Vdc excitation and mini DIN termination.*

PX329-3KGV, *3000 psi gage pressure transducer with 100 mV output @ 5 Vdc excitation and twist-lock termination. Mating connector sold separately, order* ***PT06V-10-6S,*** *Consult Sales for OEM pricing.*

ACCESSORIES

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

HOW TO ORDER PX309 SERIES
WITH 0 TO 5 Vdc OUTPUT

0 to 5 Vdc Output
0-1 to 0-10,000 psi
0-70 mbar to 0-690 bar

Twist-lock style.

PX329-015G5V
shown actual size.

Metric thread adaptors available

PX309 Series

NIST CE RoHS
Standard

- **Gage or Absolute Pressure**
- **Low Pressure to 1 psig**
- **Rugged Solid State Design**
- **All Stainless Steel Construction**
- **High Stability, Low Drift**
- **0.25% Static Accuracy**

5V OUTPUT SPECIFICATIONS

Excitation: 9 to 30 Vdc (reverse polarity and overvoltage protected)
Output: 0 to 5 Vdc or 4 to 20 mA
Static Accuracy 5 to 10,000 psi: ±0.25% FS BSL at 25ºC; includes linearity, hysteresis and repeatability
Zero Offset: ±2% FSO; ±4% for 1 and 2 psi ranges
Span Setting: ±2% FSO; ±4% for 1 and 2 psi ranges
Compensated Temperature:
>5 psi Range: -20 to 85°C (-4 to 185°F)
≤5 psi Range: 0 to 50°C (32 to 122°F)
Total Error Band: ±2% FSO; includes linearity, hysteresis, repeatability, thermal hysteresis and thermal errors (except 2 psi = ±3% and 1 psi = ±4.5%)

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RANGE bar	RANGE psi	1.5 m CABLE CONNECTION	MINI DIN CONNECTION	TWIST-LOCK CONNECTION
ABSOLUTE PRESSURE				
0 to 0.34	0 to 5	PX309-005A5V	PX319-005A5V	PX329-005A5V
0 to 1	0 to 15	PX309-015A5V	PX319-015A5V	PX329-015A5V
0 to 2.1	0 to 30	PX309-030A5V	PX319-030A5V	PX329-030A5V
0 to 3.4	0 to 50	PX309-050A5V	PX319-050A5V	PX329-050A5V
0 to 6.9	0 to 100	PX309-100A5V	PX319-100A5V	PX329-100A5V
0 to 14	0 to 200	PX309-200A5V	PX319-200A5V	PX329-200A5V
0 to 21	0 to 300	PX309-300A5V	PX319-300A5V	PX329-300A5V
GAGE PRESSURE				
0 to 0.07	0 to 1	PX309-001G5V	PX319-001G5V	PX329-001G5V
0 to 0.14	0 to 2	PX309-002G5V	PX319-002G5V	PX329-002G5V
0 to 0.34	0 to 5	PX309-005G5V	PX319-005G5V	PX329-005G5V
0 to 1	0 to 15	PX309-015G5V	PX319-015G5V	PX329-015G5V
0 to 2.1	0 to 30	PX309-030G5V	PX319-030G5V	PX329-030G5V
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0 to 10	0 to 150	PX309-150G5V	PX319-150G5V	PX329-150G5V
0 to 14	0 to 200	PX309-200G5V	PX319-200G5V	PX329-200G5V
0 to 21	0 to 300	PX309-300G5V	PX319-300G5V	PX329-300G5V
0 to 34	0 to 500	PX309-500G5V	PX319-500G5V	PX329-500G5V
0 to 69	0 to 1000	PX309-1KG5V	PX319-1KG5V	PX329-1KG5V
0 to 138	0 to 2000	PX309-2KG5V	PX319-2KG5V	PX329-2KG5V
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PX319-015A5V, *15 psi absolute pressure transducer with 0 to 5 Vdc output and mini DIN termination.*

PX329-3KG5V, *3000 psi gage pressure transducer with 0 to 5 Vdc output and twist-lock termination. Mating connector sold separately; order* ***PT06V-10-6S.*** *Consult Sales for OEM pricing.*

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