

How to Order PX309 Series with 0 to 5 Vdc Output



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

PX329-015G5V
shown smaller than
actual size.



PX309 Series



5V Output Specifications

(In Addition to Common Specifications on page 2)

Total Error Band (Includes Linearity, Hysteresis, Repeatability, Thermal Hysteresis and Thermal Errors, Not Including Zero and Span Setting Accuracy): ±1.0%
(5 psig/psia is ±1.5%, 2 psig is 3.0% and 1 psig is 4.5%)

Supply Voltage: 9 to 30 Vdc,
Supply Current < 10 mA

0 to 5 Vdc Outputs		
Range	Output	Excitation*
5 to 1000 psia	0 to 5 Vdc	9 to 30 Vdc
1 to 10,000 psig	0 to 5 Vdc	9 to 30 Vdc
-15 to 30/50/100/150 psig	0 to 5 Vdc	9 to 30 Vdc
0 to -15 psig	0 to 5 Vdc	9 to 30 Vdc
-15 to 0 to +15 psig	-5 to 0 to +5 Vdc	9 to 30 Vdc

* Supply Current < 10 mA

Compensated Temperature:

-20 to 85°C (± 5 psig/psia is 0 to 50°C)

To Order

Range		1.5 m Cable Connection	mini DIN Connection	Twist-Lock Connection	M12 Connection
psi	bar				
Absolute Pressure					
0 to 5	0 to 0.34	PX309-005A5V	PX319-005A5V	PX329-005A5V	PX359-005A5V
0 to 15	0 to 1	PX309-015A5V	PX319-015A5V	PX329-015A5V	PX359-015A5V
0 to 30	0 to 2.1	PX309-030A5V	PX319-030A5V	PX329-030A5V	PX359-030A5V
0 to 50	0 to 3.4	PX309-050A5V	PX319-050A5V	PX329-050A5V	PX359-050A5V
0 to 100	0 to 6.9	PX309-100A5V	PX319-100A5V	PX329-100A5V	PX359-100A5V
0 to 200	0 to 14	PX309-200A5V	PX319-200A5V	PX329-200A5V	PX359-200A5V
0 to 300	0 to 21	PX309-300A5V	PX319-300A5V	PX329-300A5V	PX359-300A5V
0 to 500	0 to 34	PX309-500A5V	PX319-500A5V	PX329-500A5V	PX359-500A5V
0 to 1000	0 to 69	PX309-1KA5V	PX319-1KA5V	PX329-1KA5V	PX359-1KA5V
Gage Pressure					
0 to 1	0 to 0.07	PX309-001G5V	PX319-001G5V	PX329-001G5V	PX359-001G5V
0 to 2	0 to 0.14	PX309-002G5V	PX319-002G5V	PX329-002G5V	PX359-002G5V
0 to 5	0 to 0.34	PX309-005G5V	PX319-005G5V	PX329-005G5V	PX359-005G5V
0 to 15	0 to 1	PX309-015G5V	PX319-015G5V	PX329-015G5V	PX359-015G5V
0 to 30	0 to 2.1	PX309-030G5V	PX319-030G5V	PX329-030G5V	PX359-030G5V
0 to 50	0 to 3.4	PX309-050G5V	PX319-050G5V	PX329-050G5V	PX359-050G5V
0 to 100	0 to 6.9	PX309-100G5V	PX319-100G5V	PX329-100G5V	PX359-100G5V
0 to 150	0 to 10	PX309-150G5V	PX319-150G5V	PX329-150G5V	PX359-150G5V
0 to 200	0 to 14	PX309-200G5V	PX319-200G5V	PX329-200G5V	PX359-200G5V
0 to 300	0 to 21	PX309-300G5V	PX319-300G5V	PX329-300G5V	PX359-300G5V
0 to 500	0 to 34	PX309-500G5V	PX319-500G5V	PX329-500G5V	PX359-500G5V
0 to 1000	0 to 69	PX309-1KG5V	PX319-1KG5V	PX329-1KG5V	PX359-1KG5V
0 to 2000	0 to 138	PX309-2KG5V	PX319-2KG5V	PX329-2KG5V	PX359-2KG5V
0 to 3000	0 to 207	PX309-3KG5V	PX319-3KG5V	PX329-3KG5V	PX359-3KG5V
0 to 5000	0 to 345	PX309-5KG5V	PX319-5KG5V	PX329-5KG5V	PX359-5KG5V
0 to 7500	0 to 517	PX309-7.5KG5V	PX319-7.5KG5V	PX329-7.5KG5V	PX359-7.5KG5V
0 to 10,000	0 to 690	PX309-10KG5V	PX319-10KG5V	PX329-10KG5V	PX359-10KG5V
Vacuum and Compound Gage Pressure					
0 to -15	—	PX309-015V5V	PX319-015V5V	PX329-015V5V	PX359-015V5V
-15 to 0 to +15	—	PX309-015CG5V	PX319-015CG5V	PX329-015CG5V	PX359-015CG5V
-15 to 30	-1.03 to 2.1	PX309-V030G5V	PX319-V030G5V	PX329-V030G5V	PX359-V030G5V
-15 to 50	-1.03 to 3.4	PX309-V050G5V	PX319-V050G5V	PX329-V050G5V	PX359-V050G5V
-15 to 100	-1.03 to 6.9	PX309-V100G5V	PX319-V100G5V	PX329-V100G5V	PX359-V100G5V
-15 to 150	-1.03 to 10.3	PX309-V150G5V	PX319-V150G5V	PX329-V150G5V	PX359-V150G5V

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: PX309-100G5V, 100 psi gage pressure transducer with 0 to 5 Vdc output and 1.5 m cable termination.

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 6 pin connector termination. Mating connector sold separately; order PT06V-10-6S. Consult Sales for OEM pricing.

Metric Versions of PX309 also available from OMEGA. Please see PXM309 series.