



0 TO 5 Vdc OUTPUT HERMETICALLY SEALED GAGE RANGES DESIGNED FOR THE HARSHTEST ENVIRONMENTS

PX409 Series Sealed Gage

0 to 5 Vdc Output

0-100 to 0-5000 psi Sealed Gage

6.9 to 0-345 bar

All Models
\$540

Stock
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Most Ranges! Visit
[omega.com/
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The hermetically sealed gage version of the PX409 Series features all welded Stainless Steel construction, 316L wetted parts and glass to metal seals (GMS) at the electrical outlets with either twist lock connector (PX429) or solder pins (PX449) terminations. This ensures that the unit is hermetically sealed from external environments and the media. Designed for use on automotive and aircraft test platforms and anywhere environmental concerns demand the most durable characteristics. The sealed gage models have the PX409 Series micro machined silicon core that provides high accuracy, low drift and excellent long term stability in the harshest environments.

Amplified Voltage Output Specifications

Output:

0 to 5 Vdc Supply Voltage:
10 to 30 Vdc@10 mA

0 to 10 Vdc Supply Voltage:
15 to 30 Vdc@10 mA

Accuracy (Combined Linearity, Hysteresis and Repeatability):
±0.08% BSL max

Zero Balance: ±0.5% FS typical 1% max (1% typical, 2% max for 1 psi and below)

Span Setting: ±0.5% FS typical 1% max (1% typical, 2% max for 1 psi and below); calibrated in vertical direction with fitting down

Operating Temperature Range:
-45 to 115°C (-49 to 240°F)



PX449-250SG5V,
\$540, shown
actual size.



PX429-3.5KSG5V,
\$540, shown
actual size.

Compensated Temperature:

Ranges >5 psi: -29 to 85°C
(-20 to 185°F)

Ranges ≤5 psi: -17 to 85°C (0 to 185°F)

Thermal Effects Zero

(Over Compensated Range):

Ranges >5 psi: ±0.5% span

Ranges ≤5 psi: ±1.0% span

Thermal Effects Span

(Over Compensated Range):

Ranges >5 psi: ±0.5% span

Ranges ≤5 psi:

±1.0% span

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

RANGE		TWIST-LOCK TERMINATION	PRICE	GLASS TO METAL SEAL PINS	PRICE
psi	bar				
0 to 5 Vdc OUTPUT, SEALED GAGE PRESSURE RANGES					
100	6.9	PX429-100SG5V	\$540	PX449-100SG5V	\$540
150	10.3	PX429-150SG5V	540	PX449-150SG5V	540
250	17.2	PX429-250SG5V	540	PX449-250SG5V	540
500	34.5	PX429-500SG5V	540	PX449-500SG5V	540
750	51.7	PX429-750SG5V	540	PX449-750SG5V	540
1000	69	PX429-1.0KSG5V	540	PX449-1.0KSG5V	540
1500	103	PX429-1.5KSG5V	540	PX449-1.5KSG5V	540
2500	172	PX429-2.5KSG5V	540	PX449-2.5KSG5V	540
3500	241	PX429-3.5KSG5V	540	PX449-3.5KSG5V	540
5000	345	PX429-5.0KSG5V	540	PX449-5.0KSG5V	540

ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
PT06F10-6S	\$26.50	Mating connector for PX429 (sold separately)

Comes complete with 5-point NIST traceable calibration. See page B-110 for compatible meters.

Note: To order 0 to 10 Vdc output, change "5V" in model number to "10V", no extra charge.

Ordering Examples: PX449-250SG5V, 0 to 5 Vdc output, 250 psi sealed gage pressure range, glass to metal sealed pin termination, \$540.

PX429-1.0KSG10V, 0 to 10 Vdc output, 1000 psi sealed gage pressure range, hermetically sealed twist-lock termination. PT06F10-6S, mating twist-lock connector (sold separately) and DP25B-S, 4-digit meter, \$540 + 26.50 + 245 = \$811.50.

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