



# HERMETICALLY SEALED GAGE RANGES DESIGNED FOR THE HARSHTEST ENVIRONMENTS

## PX409 Series Sealed Gage

4 to 20 mA Output

0-100 to 0-5000 psi Sealed Gage

6.9 to 0-345 bar

Starts at  
**\$545**



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.

### 4 to 20 mA Specifications

**Output:** 4 to 20 mA

**Supply Voltage:** 9 to 30 Vdc

max loop res  $\Omega = (Vs-9) \times 50$

[9 to 20 Vdc above 105°C (229°F)]

**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)

**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

Stock Delivery for Most Ranges!  
Visit [omega.com/px409\\_series](http://omega.com/px409_series)

Glass-to-metal seal solder pins.

Sealed twist-lock style.

PX449-250SGI,  
\$545, shown actual size.

PX429-3.5KSGI,  
\$545, shown actual size.

(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

Metric thread adaptors available, see section C.

**MOST POPULAR MODELS HIGHLIGHTED!**

### To Order (Specify Model Number)

RANGE		TWIST-LOCK TERMINATION	PRICE	GLASS TO METAL SEAL PINS	PRICE
psi	bar				
<b>4 to 20 mA OUTPUT, SEALED GAGE PRESSURE RANGES</b>					
100	6.9	PX429-100SGI	\$545	PX449-100SGI	\$545
150	10.3	PX429-150SGI	545	PX449-150SGI	545
250	17.2	PX429-250SGI	545	PX449-250SGI	545
500	34.5	PX429-500SGI	545	PX449-500SGI	545
750	51.7	PX429-750SGI	545	PX449-750SGI	545
1000	69	PX429-1.0KSGI	545	PX449-1.0KSGI	545
1500	103	PX429-1.5KSGI	545	PX449-1.5KSGI	545
2500	172	PX429-2.5KSGI	545	PX449-2.5KSGI	545
3500	241	PX429-3.5KSGI	545	PX449-3.5KSGI	545
5000	345	PX429-5.0KSGI	545	PX449-5.0KSGI	545

### 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-196 for compatible meters.

**Ordering Examples:** PX449-250SGI, 4 to 20 mA output, 250 psi sealed gage pressure range, glass to metal sealed pin termination, \$545.

PX429-1.0KSGI, 4 to 20 mA 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, \$545 + 26.50 + 245 = \$816.50.

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