

mV/V OUTPUT HERMETICALLY SEALED GAGE RANGES DESIGNED FOR THE HARSHTEST ENVIRONMENTS



PX409 Series Sealed Gages

100 mV Output

0-100 to 0-5000 psi Sealed Gage

6.9 to 345 bar

All Models
\$475

Stock Delivery
for Most Ranges!
Visit omega.com/px409_series



PX449-250SGV,
\$475, shown
actual size.



PX429-3.5KSGV,
\$475, shown
actual size.



MILLIVOLT OUTPUT
PRESSURE TRANSDUCERS

B



Standard

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.

mV/V Specifications

Output: mV/V, 100 mV @ 10 Vdc (ratiometric 5 to 10 Vdc)

Supply Voltage: 10 Vdc

Input/Output Resistance: 5000 Ω ±20% typical

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 121°C (-49 to 250°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 (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 | | | | |
| 10 mV/V OUTPUT, SEALED GAGE PRESSURE RANGES | | | | | |
| 100 | 6.9 | PX429-100SGV | \$475 | PX449-100SGV | \$475 |
| 150 | 10.3 | PX429-150SGV | 475 | PX449-150SGV | 475 |
| 250 | 17.2 | PX429-250SGV | 475 | PX449-250SGV | 475 |
| 500 | 34.5 | PX429-500SGV | 475 | PX449-500SGV | 475 |
| 750 | 51.7 | PX429-750SGV | 475 | PX449-750SGV | 475 |
| 1000 | 69 | PX429-1.0KSGV | 475 | PX449-1.0KSGV | 475 |
| 1500 | 103 | PX429-1.5KSGV | 475 | PX449-1.5KSGV | 475 |
| 2500 | 172 | PX429-2.5KSGV | 475 | PX449-2.5KSGV | 475 |
| 3500 | 241 | PX429-3.5KSGV | 475 | PX449-3.5KSGV | 475 |
| 5000 | 345 | PX429-5.0KSGV | 475 | PX449-5.0KSGV | 475 |

ACCESSORY

| MODEL NO. | PRICE | DESCRIPTION |
|------------|---------|---|
| PT06F10-6S | \$26.50 | Mating connector for PX429 series transducers |

Comes complete with 5-point NIST traceable calibration. See page B-51 for compatible meters.

Ordering Examples: PX449-250SGV, 10 mV/V output, 250 psi sealed gage pressure range, glass to metal sealed pin termination, \$475.

PX429-1.0KSGV, 10 mV/V 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, \$475 + 26.50 + 245 = \$746.50.

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• Flow and Level

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• Pressure, Strain and Force

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• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters