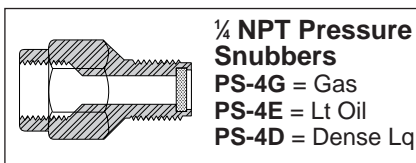


SILICON ON SAPPHIRE PRESSURE TRANSMITTER OUTSTANDING PERFORMANCE AND STABILITY



PX4201

Ranges >15 PSI

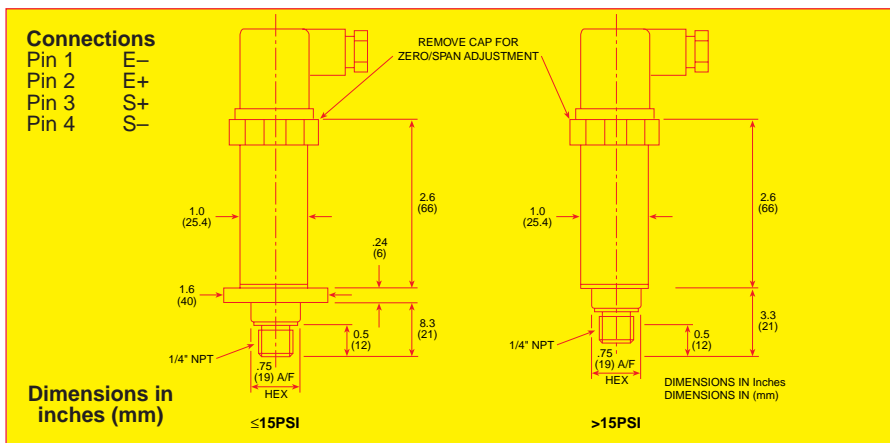


PX4201-100GV
Shown Smaller than Actual Size

PX4201 Series
0-15 to 0-6,000 psi
100 mV Output

- ✓ Silicon on Sapphire Construction
- ✓ Titanium Wetted Parts for Media Compatibility
- ✓ 0.25% Accuracy
- ✓ 100 mV Bridge Output is Compatible with Most Strain Instrumentation
- ✓ High Operating Temperature
- ✓ IP65 Enclosure

OMEGA's PX4201 Series Transmitters bring state-of-the-art Silicon-on-Sapphire (SOS) sensor technology to the industrial arena. SOS construction uses very stable solid state silicon strain gages on a Sapphire carrier which is glass bonded to a titanium diaphragm. This combination provides a very durable transducer which has excellent stability over a wide temperature range. Additionally, the all titanium wetted parts provide maximum corrosion resistance to harsh industrial chemicals.



MOST POPULAR MODELS HIGHLIGHTED

To Order (Specify Model Number)			
RANGE (psig)	MODEL		COMPATIBLE METERS
0 to 15	PX4201-015GV		DP41-S, DP25-S, DP-460-S
0 to 30	PX4201-030GV		DP41-S, DP25-S, DP-460-S
0 to 60	PX4201-060GV		DP41-S, DP25-S, DP-460-S
0 to 100	PX4201-100GV		DP41-S, DP25-S, DP-460-S
0 to 150	PX4201-150GV		DP41-S, DP25-S, DP-460-S
0 to 200	PX4201-200GV		DP41-S, DP25-S, DP-460-S
0 to 300	PX4201-300GV		DP41-S, DP25-S, DP-460-S
0 to 600	PX4201-600GV		DP41-S, DP25-S, DP-460-S
0 to 1k	PX4201-1KGV		DP41-S, DP25-S, DP-460-S
0 to 1.5k	PX4201-1.5KGV		DP41-S, DP25-S, DP-460-S
0 to 3k	PX4201-3KGV		DP41-S, DP25-S, DP-460-S
0 to 6k	PX4201-6KGV		DP41-S, DP25-S, DP-460-S

All models come with complete operator's manual.
Ordering Example: PX4201-100GV has a range of 0 to 100 psig with a 100 mV output,

SPECIFICATIONS

- Excitation:** 10 Vdc @ 5 mA (15 Vdc max)
- Output:** 100 mV ratiometric
- Bridge Resistance:** 1500Ω ±30%
- Accuracy:** ±0.25% FS includes linearity, and hysteresis
- Long Term Stability:** ±0.2% (6 months)
- Repeatability:** ±0.1% FS
- Long Term Stability:** ± 0.2% FS (1 year)
- Media Temperature:** -58 to 248°F (-50 to 120°C)
- Ambient Temperature:** -40 to 175°F (-40 to 80°C)
- Thermal Zero Effect:** <±0.016% FS/°F
- Thermal Span Effect:** <±0.016% FS/°F
- Humidity:** 95% RH non-cond.
- Maximum Overpressure:** 200% FS
- Sensor:** Silicon on Sapphire
- Wetted Parts:** Titanium
- Case Material:** Stainless Steel, IP65
- Pressure Port:** 1/4" NPT male
- Electrical Connection:** Din 43650 Plug with Mating Connector Supplied
- Response Time:** 0.2 ms, 63%
- Weight:** 3.2 oz (90 g)