SILICON ON SAPPHIRE PRESSURE TRANSMITTER OUTSTANDING PERFORMANCE AND STABILITY

CE

Vacuum to 6000 psi 5 V Output

PX4202 Series

- Silicon on Sapphire Construction
- Titanium Wetted Parts for Media Compatibility
- ✓ 0.25% Accuracy
- 5 V Output is Compatible with Most PLC's and Control Systems
- High Operating Temperature
- IP65 Enclosure

OMEGA's PX4202 Series Transmitters bring state-of-the-art Silicon-on-Sapphire (SOS) sensor technology to the industrial arena. SOS construction uses very stabile 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.

SPECIFICATIONS

Excitation: 13 to 30 Vdc @ 10 mA reverse polarity protected Supply Effects: 1 mV/V Output: 0 to 5 Vdc Zero Offset: ±2% Load Driving Capacity: 2.5 kΩ Accuracy: ±0.25% full scale includes Linearity, and Hysteresis Repeatability: ±0.1% full scale Long Term Stability: ± 0.2% full scale (1 year) Media Temperature: -50 to 120°C (-58 to 248°F) **Ambient Temperature:** -40 to 80°C (-40 to 175°F) Thermal Zero Effect: <±0.016% full scale/°F Thermal Span Effect: <±0.016% full scale/°F Maximum Overpressure: 200% full scale Sensor: Silicon on Sapphire Wetted Parts: Titanium Case Material: Stainless Steel, IP65

 PX4202-100G5V, shown smaller than actual size.

 Pressure Port: ½ NPT male Electrical Connection:

 Din 43650 Plug

 Mating Connector Supplied Response Time: 10 ms

 Beight: 90 g (3.2 oz)



To Order		
RANGE (psig)	MODEL NO.	COMPATIBLE METERS
0 to 30 inHg	PX4202-30VAC5V	DP41-E, DP25-E, DP-7700
0 to 5	PX4202-005G5V	DP41-E, DP25-E, DP-7700
0 to 10	PX4202-010G5V	DP41-E, DP25-E, DP-7700
0 to 15	PX4202-015G5V	DP41-E, DP25-E, DP-7700
0 to 30	PX4202-030G5V	DP41-E, DP25-E, DP-7700
0 to 60	PX4202-060G5V	DP41-E, DP25-E, DP-7700
0 to 100	PX4202-100G5V	DP41-E, DP25-E, DP-7700
0 to 150	PX4202-150G5V	DP41-E, DP25-E, DP-7700
0 to 200	PX4202-200G5V	DP41-E, DP25-E, DP-7700
0 to 300	PX4202-300G5V	DP41-E, DP25-E, DP-7700
0 to 600	PX4202-600G5V	DP41-E, DP25-E, DP-7700
0 to 1000	PX4202-1KG5V	DP41-E, DP25-E, DP-7700
0 to 1500	PX4202-1.5KG5V	DP41-E, DP25-E, DP-7700
0 to 3000	PX4202-3KG5V	DP41-E, DP25-E, DP-7700
0 to 6000	PX4202-6KG5V	DP41-E, DP25-E, DP-7700

Comes with complete operator's manual.

Ordering Example: PX4202-100G5V, 0 to 100 psig range with 5 Vdc output.