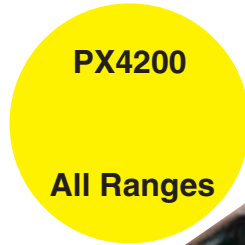


SILICON ON SAPPHIRE PRESSURE TRANSMITTER WITH OPTIONAL LOOP POWERED PRESSURE MONITOR

PX4200 Series Vacuum to 6000 psi 4 to 20 mA Output

- ✓ Silicon on Sapphire Construction
- ✓ High Operating Temperature
- ✓ Titanium Wetted Parts
- ✓ 0.25% Accuracy
- ✓ Optional Plug-On Display with Available Set-point
- ✓ IP65 Enclosure



SPECIALTY
PRESSURE TRANSDUCERS
B

OMEGA's PX4200 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 and corrosion resistance over a wide temperature range. A loop powered 3½ digit (-1999 to 1999) plug-on display adds versatility to the PX4200 by providing local display plus an available open collector set-point with 60 mA capability.

SPECIFICATIONS

Excitation: 13 to 36 Vdc with PM1000

18 to 36 Vdc reverse polarity protected

Load Driving Capacity: 1150Ω @

36 Vdc, R max = (Vs-13)/20 with

PM1000 Rmax = (Vs-18)/20

Output: 4 to 20 mA (2-Wire) with zero

and span adjustments

Accuracy: ±0.25% FS includes

linearity, and hysteresis

Repeatability: ±0.1% FS

Long Term Stability (1yr): ±0.2% FS

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% FS/°F

Thermal Span Effect: <±0.016% FS/°F

Humidity: 95% RH non-condensing

Maximum Overpressure: 200% FS

Sensor: Silicon on Sapphire

Wetted Parts: Titanium

Case Material: Stainless Steel, IP65

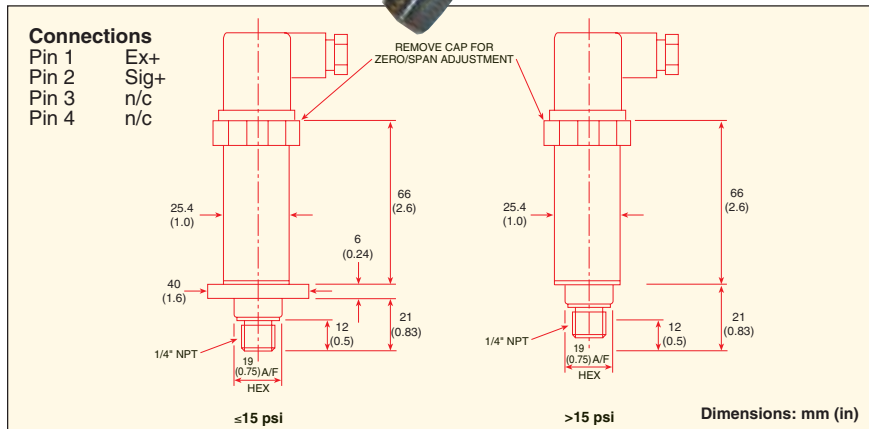
Pressure Port: ¼" NPT male

Electrical Connection: Din 43650

plug mating connector supplied

Response Time: 10 ms

Weight: 90 g (3.2 oz)



ALL MODELS AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

RANGE (psig)	MODEL NO.	PRICE	COMPATIBLE METERS*
30 inHg to 0	PX4200-30VACI		DP41-E, DP25B-E, PM1000
0 to 30 inHg	PX4200-30VACRI		DP41-E, DP25B-E, PM1000
0 to 5	PX4200-005GI		DP41-E, DP25B-E, PM1000
0 to 10	PX4200-010GI		DP41-E, DP25B-E, PM1000
0 to 15	PX4200-015GI		DP41-E, DP25B-E, PM1000
0 to 30	PX4200-030GI		DP41-E, DP25B-E, PM1000
0 to 60	PX4200-060GI		DP41-E, DP25B-E, PM1000
0 to 100	PX4200-100GI		DP41-E, DP25B-E, PM1000
0 to 150	PX4200-150GI		DP41-E, DP25B-E, PM1000
0 to 200	PX4200-200GI		DP41-E, DP25B-E, PM1000
0 to 300	PX4200-300GI		DP41-E, DP25B-E, PM1000
0 to 600	PX4200-600GI		DP41-E, DP25B-E, PM1000
0 to 1K	PX4200-1KGI		DP41-E, DP25B-E, PM1000
0 to 1.5K	PX4200-1.5KGI		DP41-E, DP25B-E, PM1000
0 to 3K	PX4200-3KGI		DP41-E, DP25B-E, DP24-E
0 to 6K	PX4200-6KGI		DP41-E, DP25B-E, DP24-E
PRESSURE MONITOR			
	PM1000		Plug-on display
	PM1001		Plug-on display with single set-point

* See Section D for compatible meters.

Comes with complete operator's manual.

Ordering Example: PX4200-100GI, 0 to 100 psig range with a 4 to 20 mA current output, and PM1001 display with set-point