

SILICON-ON-SAPPHIRE TRANSMITTER

LONG TERM RELIABILITY

4 to 20 mA Output
0-5 to 0-15,000 psi
0-0.4 to 0-1000 bar

PX920 Series



- ✓ Silicon-on-Sapphire Sensor Assures High Stability and Repeatability
- ✓ High Accuracy 0.2%
- ✓ NEMA 4 (IP65) Stainless Steel Body
- ✓ Solid State Reliability
- ✓ High Shock and Vibration
- ✓ Low Drift

Typical Applications

- ✓ Mechanical and Civil Engineering Projects
- ✓ Process Plants
- ✓ Production Test Facilities
- ✓ Water Resource Management
- ✓ Power Generation

OMEGA's PX920 series are extremely tough process transmitters suitable for use in demanding process and industrial applications. Rugged stainless steel construction and featuring S.O.S. technology with a custom IC amplifier give the PX920 series high stability, low drift and long life.

Important features of this transmitter include easily accessible zero and span adjustment for simplified set-up and recalibration.

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 diaphragm and Stainless Steel wetted parts provide maximum durability and corrosion resistance to harsh industrial chemicals.



PX920-100GI, shown smaller than actual size.

To Order

MODEL NO.	RANGE (psig)	COMPATIBLE METERS
PX920-30VACI	30 inHg to 0	DP41-E, DP25-E, DP24-E
PX920-005GI	0 to 5	DP41-E, DP25-E, DP24-E
PX920-010GI	0 to 10	DP41-E, DP25-E, DP24-E
PX920-015GI	0 to 15	DP41-E, DP25-E, DP24-E
PX920-030GI	0 to 30	DP41-E, DP25-E, DP24-E
PX920-060GI	0 to 60	DP41-E, DP25-E, DP24-E
PX920-100GI	0 to 100	DP41-E, DP25-E, DP24-E
PX920-150GI	0 to 150	DP41-E, DP25-E, DP24-E
PX920-200GI	0 to 200	DP41-E, DP25-E, DP24-E
PX920-300GI	0 to 300	DP41-E, DP25-E, DP24-E
PX920-600GI	0 to 600	DP41-E, DP25-E, DP24-E
PX920-1KGI	0 to 1K	DP41-E, DP25-E, DP24-E
PX920-1.5KGI	0 to 1.5K	DP41-E, DP25-E, DP24-E
PX920-3KGI	0 to 3K	DP41-E, DP25-E, DP24-E
PX920-6KGI	0 to 6K	DP41-E, DP25-E, DP24-E
PX920-10KGI	0 to 10K	DP41-E, DP25-E, DP24-E
PX920-15KGI	0 to 15K	DP41-E, DP25-E*, DP24-E*

* 4-digit meters

Metric ranges available—consult engineering

Ordering Example: PX920-1KGI, 1000 psi transducer with 4 to 20 mA output, PG9 cable gland and internal terminal block electrical connection with ½ male NPT pressure port.