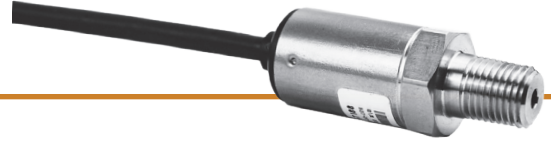


PG Series Gauge Pressure Transducer

Stainless Steel Wet Media
1/4" MNPT
0-5VDC or 4-20mA outputs



DESCRIPTION

This PG Series is a rugged and accurate gauge pressure sensor. It is compatible with a wide variety of liquids and gases. The MEMS technology gives the PG series flexibility to be used in virtually any OEM application. Whether measuring hydraulic pressure in a manifold or corrosive liquids and gases such as sea water or hydrogen, the PG series industrial pressure sensor provides a thick diaphragm to maintain long-term stability.

APPLICATIONS

- Refrigeration Pump Controls
- Chillers
- Freon and Ammonia Cooling Systems
- CO2 Systems
- Building Controls
- Water Pressure Systems
- Boiler Controls
- Environmental Test Chambers

FEATURES

Versatile

- Compact, robust package
- 72" wire leads; 1/4" MNPT
- Chemical Compatibilities: Any gas or liquid compatible with 316L stainless steel.
- IP65

High Reliability...fewer call backs

- Burst pressure 5X full scale
- Reverse voltage protected
- Rugged stainless steel construction
- UL508 Certified
- No oil, welds or internal o-rings

Superb Accuracy

- < $\pm 0.25\%$ BFSL @ room temperature (Accuracy includes non-linearity, hysteresis & non-repeatability)

ORDERING

PG- -S-

Pressure Range

15 = 15 PSI
50 = 50 PSI
75 = 75 PSI
100 = 100 PSI
200 = 200PSI
300 = 300 PSI
500 = 500 PSI

Output Type

B = 0-5 VDC
C = 4-20 mA

ELECTRICAL DATA

Output	4-20mA	0-5VDC
Power Supply	10-28VDC	10-28VDC
Output Load	250-500 Ohms	5K Ohms min.
Current Consumption	20mA, typical	<10mA
Bandwidth	(-3dB): DC to 250 Hz	(-3dB): DC to 1kHz
Zero Offset	<±1% of FS	<±1% of FS
Span Tolerance	<±1.5% of FS	<±1.5% of FS

ENVIRONMENTAL DATA
Temperature

Operating	-40 to 85°C (-40 to 185°F)
Storage	-40 to 125°C (-40 to 257°F)

Thermal Limits

Compensated Range	0 to 60°C (32 to 140°F)
TC Zero	<±1% of FS
TC Span	<±1% of FS

Other

Shock	EN 60068-2-27
Vibration	EN 60068-2-6, 60068-2-64, and IEC 68-2-32
EMI/RFI Protection	Yes
Rating	IP-65 (housing only)

PERFORMANCE @ 25°C (77°F)

Accuracy ⁽¹⁾	<±0.25% BFSL
Stability (1 year)	±0.25% FS, typical
Over Range Protection	2X Rated Pressure
Burst Pressure	5X or 60,000 PSI (whichever is less)
Pressure Cycles	> 100 Million

(1) Accuracy includes non-linearity, hysteresis & non-repeatability

WIRING CONNECTIONS

0-5 VDC Models	3-wire voltage
4-20mA Models	2-wire loop powered