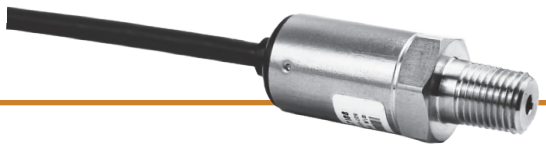
PG Series
Gauge Pressure Transducer

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. 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
- 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

Superb Accuracy

- < ±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

150 = 150 PSI*
250 = 250 PSI*

Output Type

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

*Ranges available on a limited basis

ELECTRICAL DATA

Output	***4-20mA***	***0-5VDC***
Power Supply	12-28VDC	12-28VDC
Output Load	250-500 Ohms	5K Ohms min.
Current Consumption	20mA, typical	<20mA

ENVIRONMENTAL DATA

Temperature	
Operating	-20 to 85°C (-4 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	
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
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

Warning: *Refer to installation instructions that accompany product and heed all safety instructions.*