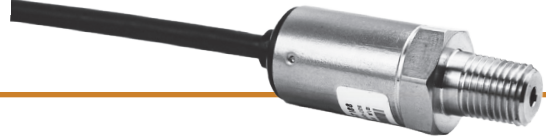


PG Series Gauge Pressure Transducer

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

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

ORDERING



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	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)
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PERFORMANCE @ 25°C (77°F)

Accuracy ⁽¹⁾	<±0.25% BFSL
Stability (1 year)	±0.25% FS, typical
Over Range Protection	1.5X 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