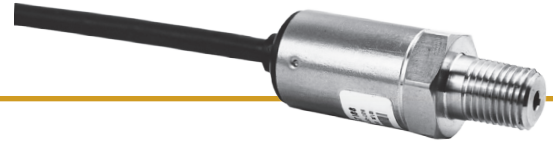


Stainless thread mount Gage Pressure Transducer

Stainless Steel Wet Media

1/4" MNPT

0-5VDC or 4-20mA outputs



DESCRIPTION

This PG Series is a rugged and accurate gage 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

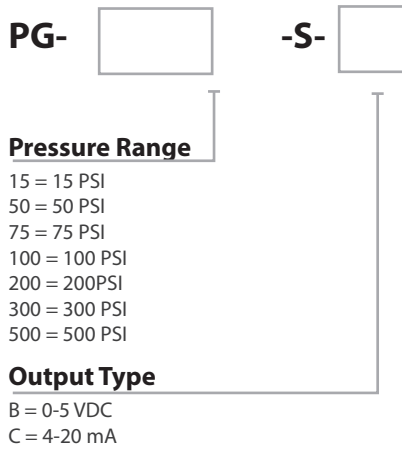
- Compact, Robust Package
- 48" wire leads; 1/4" MNPT
- Chemical Compatibilities: Any gas or liquid compatible with 17-4 stainless steel.

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

- < $\pm 0.5\%$ BFSL @ room temperature (Accuracy includes non-linearity, hysteresis & non-repeatability)

ORDERING

ELECTRICAL DATA

Output	4-20mA	0-5VDC
Excitation	10-28VDC	10-28VDC
Output Impedance	>10k Ohms	<100 Ohms, Nominal
Current Consumption	20mA, typical	<10mA
Bandwidth	(-3dB): DC to 250 Hz	(-3dB): DC to 1kHz
Output Noise	-	<2mV RMS
Zero Offset	<±1% of FS	<±1% of FS
Span Tolerance	<±1.5% of FS	<±1.5% of FS
Output Load	0-800 Ohms @ 10-28VDC	10k Ohms, min
Reverse Polarity Protection	Yes	Yes

ENVIRONMENTAL DATA

Temperature	
Operating	-40 to 85°C (-40 to 185°F)
Storage	-40 to 100°C (-40 to 212°F)
Thermal Limits	
Compensated Range	0 to 55°C (32 to 132°F)
TC Zero	<±1.5% of FS
TC Span	<±1.5% 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-66 (housing only)

PERFORMANCE @ 25°C (77°F)

Accuracy (1)	<±0.5% BFSL
Stability (1 year)	±0.25% FS, typical
Over Range Protection	2X Rated Pressure
Burst Pressure	5X or 20,000 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