PG Series

Gauge Pressure Sensor

Stainless Steel Wet Media
1/4" MNPT
0-5VDC, 4-20mA, or 0-10VDC outputs

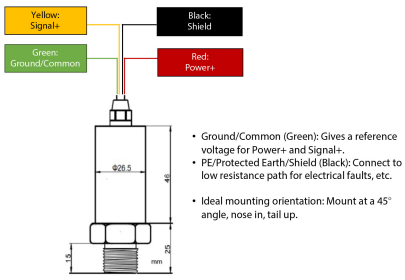


DESCRIPTION

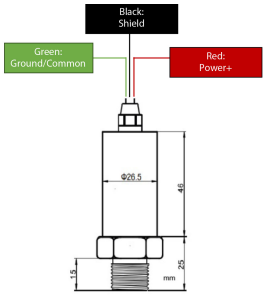
This PG Series is a rugged and accurate gauge pressure sensor. It is compatible with a wide variety of liquids and gases. The MEMS technology gives the PG series flexibility to be used in virtually any OEM application. Whether measuring hydraulic pressure in a manifold or corrosive liquids and gases 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
- Cooling Systems
- CO2 Systems
- Building Controls
- Water Pressure Systems
- Boiler Controls
- Environmental Test Chambers
- Great for data center gauge pressure sensing



PG Voltage Output (0-5V)



PG Current Output (4-20mA)

FEATURES

- Compact, Robust Package
- 48" wire leads; 1/4" - MNPT
- Chemical Compatibilities: Any gas or liquid compatible with 17-4 stainless steel.
- Burst pressure 5X full scale
- Reverse voltage protected
- Rugged stainless steel construction
- No oil, welds or internal o-rings
- 0.25% BFSL @ room temperature (Accuracy includes non-linearity, hysteresis & non-repeatability)

ORDERING

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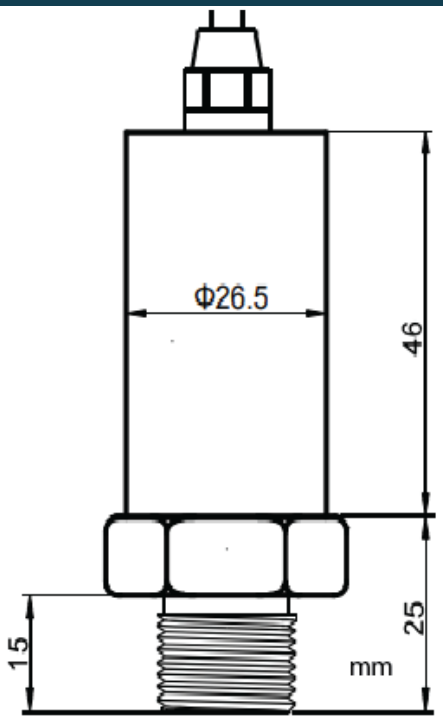
Pressure Range

15 = 15 PSI
50 = 50 PSI
75 = 75 PSI
100 = 100 PSI
150 = 150 PSI
200 = 200 PSI
250 = 250 PSI
300 = 300 PSI
500 = 500 PSI

Output Type

A = 0-10 VDC, 3 Wire
B = 0-5 VDC, 3 Wire
C = 4-20 mA, 2 Wire

DIMENSIONS



Warning: The datasheet is designed for reference only. Refer to installation instructions that accompany the product and heed all safety instructions. Product improvement is a continuing process at Senva. Changes may occur to products without prior notice.

SPECIFICATIONS

ELECTRICAL DATA			
Output	**4-20mA (2-wire loop)**	**0-5VDC**	**0-10VDC**
Exitation	15-30VDC	10-30VDC	10-30VDC
Output Impedance	>10k Ohms		
Current Consumption	20mA, typical	<10mA	<10mA
Reverse Polarity Protection	Yes	Yes	Yes

ENVIRONMENTAL DATA	
Temperature	
Operating	-40 to 125°C
Storage	-40 to 125°C
Thermal Limits	
Compensated Range	-10 to 70°C
TC Zero	<±0.3% of FS/°C
TC Span	<±0.3% of FS/°C
Other	
Shock	EN 60068-2-27
Vibration	EN 60068-2-6, 60068-2-64, and IEC 68-2-32
EMI/RFI Protection	Yes
Rating	**Housing:** IP-66 **Cable:** IP-68 (No UV rating)

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 20,000 PSI (whichever is less)
Pressure Cycles	> 100 Million

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

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