

PG Series Gauge Pressure Sensors



The durable, stainless steel PG Series pressure transducers are ideal for a wide variety of HVAC/R and industrial applications such as refrigeration measurement, pneumatic pressure measurement, gas pressure measurement, pumps inlet and outlet fluid pressure and even extreme applications such as aerospace and motorsport applications. The PG series feature a proven micromachined silicon sensor engineered for high quality, performance while being cost effective.

Applications

- Pump inlet/outlet and compressors
- Hydraulic/pneumatic systems
- Energy & water management
- Refrigeration equipment, fluids
- Gas pressure measurement

Features

- High accuracy piezoresistive silicon technology coupled with advanced ASIC electronic compensation techniques
- 316L stainless steel and Hastelloy C construction designed to ensure compatibility in harsh environments
- A wide operating temperature range of -40° to 257°F (-40° to 125°C)

ORDERING INFORMATION

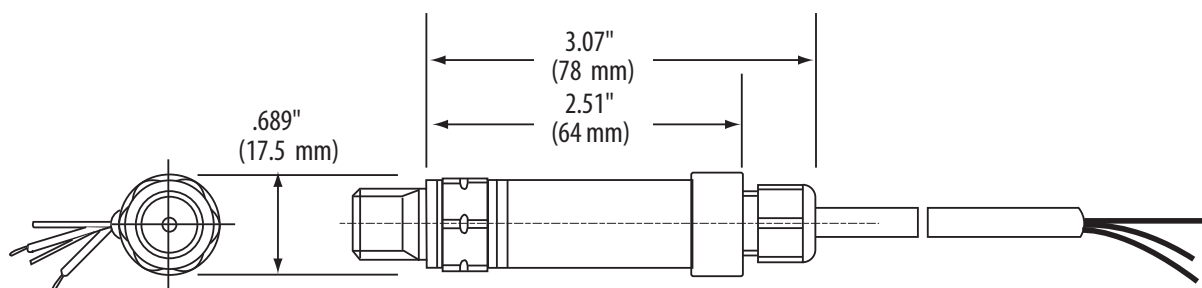
	(Range)	(Material)	(Output)
PG	<input type="text"/>	<input type="text" value="A"/>	<input type="text"/>
	03 = 0-15 psig	A = 316 stainless steel	M = 4-20mA
	04 = 0-25 psig		V = 0-10VDC
	05 = 0-50 psig		J = 0-5VDC
	06 = 0-75 psig		
	07 = 0-100 psig		
	08 = 0-250 psig		
	09 = 0-500 psig		
	10 = 0-1000 psig		



Example:

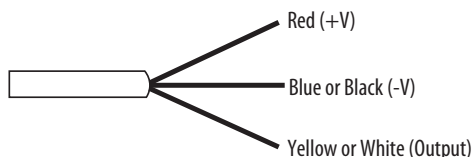
PG

DIMENSIONAL DRAWINGS



WIRE COLOR CODING

3-wire, 0-5VDC/0-10VDC



2-wire, 4-20mA



SPECIFICATIONS

Performance at 77°F (25°C)

Pressure	see ordering table-consult factory for additional ranges
Accuracy NLH	±0.5% FS BSL, typical ±0.2% FS BSL, hysteresis & repeatability
Media Compatibility	Fluids & gases compatible with 316L stainless steel and Hastelloy C276
Pressure Cycles	10 million cycles
Over Pressure	2x FS without change in calibration
Burst Pressure	4x rated pressure

Electrical

Supply Voltage	8-28VDC
Output	0-10V (3-wire) or 4-20mA (2-wire)
Load Impedance	RL>100kohms
Standard Connection	Cable gland 24" length
Pressure Port	1/4"NPT Male

Environmental

Operating Temp. Range	-40° to 257°F (-40° to 125°C)
Compensated Temp. Range	-4° to 185°F (-20° to 85°C)
Total Error Band Over Temp.	<±1% of FS
Humidity	95% RH, condensing