

PG SERIES

Rugged Stainless Steel Construction



The durable 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, pump inlet, and outlet fluid pressure. They are even compatible with extreme applications, such as aerospace and motor sports equipment.

SPECIFICATIONS

GENERAL

Supply Voltage	Class 2; 10 to 28 Vdc
Output	0 to 5 (3-wire), 0 to 10 Vdc (3-wire), or 4 to 20 mA (2-wire)
Load Impedance	>100 kΩ
Standard Connection	Cable gland 24" (600 mm) length
Pressure Port	1/4" NPT Male

PERFORMANCE AT 25 °C (77 °F)

Accuracy *	±0.25% BFSL **
Media Compatibility	Fluids & gases compatible with 316L stainless steel
Pressure Cycles	>100 million cycles
Over Pressure	2x F.S. without change in calibration
Burst Pressure	5x rated pressure or 20,000 psi

ENVIRONMENTAL

Shock	100G, 11 msec, 1/2 sine
Vibration	20G peak, 20 to 2400 Hz;
EMI/RFI Protection	Yes
Rating	IP-66
Operating Temp Range	-40 to 85 °C (-40 to 185 °F)
Compensated Temp Range	0 to 55 °C (32 to 130 °F)
Total Error Band Over Temp	<±3% of FS
Humidity	0 to 95% RH non-condensing

Versatile

A wide operating temperature range of -40 to 85 °C (-40 to 185 °F) for operation versatility

Sturdy construction

Suitable for high shock and vibration applications

Fewer parts to fail Rugged

No silicon oil, no internal O-rings, no welds

Stainless steel wetted construction

APPLICATIONS

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

WARRANTY

Limited Warranty	5 years
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AGENCY APPROVALS



* Accuracy includes nonlinearity and hysteresis.

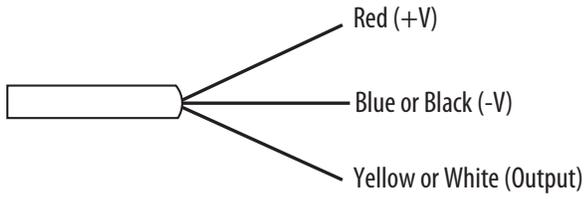
** BFSL = Best fit straight line

***The CE mark indicates RoHS2 compliance. Please refer to the CE Declaration of Conformity for additional details. Deluxe models only.



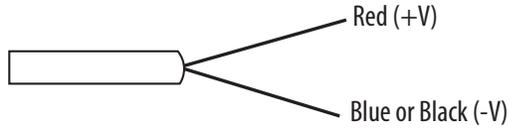
3-WIRE, 0-5 VDC/0-10 VDC

Wire Color Coding

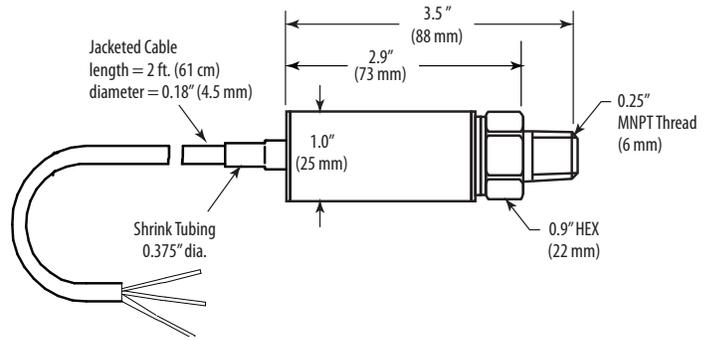


2-WIRE, 4 TO 20 MA

Wire Color Coding



DIMENSIONAL DRAWING



ORDERING INFORMATION

PG	Range	Wetted Material	Output
	<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto;"></div> 03 = 0 to 15 psig 04 = 0 to 25 psig 05 = 0 to 50 psig 06 = 0 to 75 psig 07 = 0 to 100 psig 08 = 0 to 250 psig 09 = 0 to 500 psig	<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; text-align: center; line-height: 20px;">A</div> = 316L stainless steel	<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto;"></div> M = 4 to 20 mA V = 0-10 Vdc J = 0-5 Vdc

Call factory for ranges not shown.

Example:

PG 07 A V