

## PG SERIES

Rugged Stainless Steel Construction



PG

The PG Series pressure transducers are compatible with a variety of HVAC and industrial applications, such as refrigeration measurement, pneumatic pressure measurement, gas pressure measurement, pump inlet, and outlet fluid pressure. They are also compatible with extreme applications, such as aerospace and motor sports equipment.

Volt and mA output options ensure integration with building systems. A wide selection of pressure ranges offers application flexibility.

The PG Series offers a stainless steel housing and all models are warranted for a period of five years.

### SPECIFICATIONS

#### GENERAL

|                     |  |
|---------------------|--|
| Supply Voltage      | Class 2; 12 to 30 Vdc  |
| Output              | 0 to 5 Vdc (3-wire) or 0 to 10 Vdc (3-wire) or 4 to 20 mA (2-wire)   |
| Load Impedance      | Volt models >10 kΩ<br>mA models ≤250 Ω with 12 Vdc min. supply voltage<br>mA models ≤500 Ω with 17 Vdc min. supply voltage |
| Standard Connection | Cable gland 59" (1.5 m) length   |
| Pressure Port       | 1/4" NPT Male  |

#### PERFORMANCE AT 25 °C (77 °F)

|                     |   |
|---------------------|---|
| Accuracy *          | ±0.5% FS  |
| Media Compatibility | Fluids & gases compatible with 316L stainless steel |
| Pressure Cycles     | >100 million cycles                                 |
| Over Pressure       | 2.5x FS with no change in calibration               |

#### ENVIRONMENTAL

|                            |                               |
|----------------------------|-------------------------------|
| Shock                      | 100G, 11 msec, 1/2 sine       |
| Vibration                  | 20G peak, 20 to 2400 Hz       |
| EMI/RFI Protection         | Yes                           |
| Rating                     | IP66                          |
| Operating Temp. Range      | -30 to 120 °C (-22 to 248 °F) |
| Compensated Temp Range     | 0 to 55 °C (32 to 130 °F)     |
| Total Error Band Over Temp | <±3% of FS                    |

### 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

|          |                            |
|----------|----------------------------|
| Humidity | 0 to 95% RH non-condensing |
|----------|----------------------------|

#### WARRANTY

|                  |         |
|------------------|---------|
| Limited Warranty | 5 years |
|------------------|---------|

#### AGENCY APPROVALS

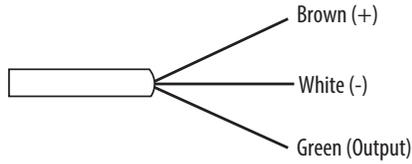


\* Accuracy includes nonlinearity and hysteresis.



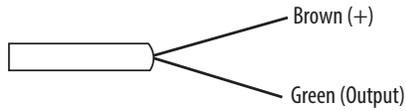
### 3-WIRE, 0-5 VDC/0-10 VDC

Wire Color Coding

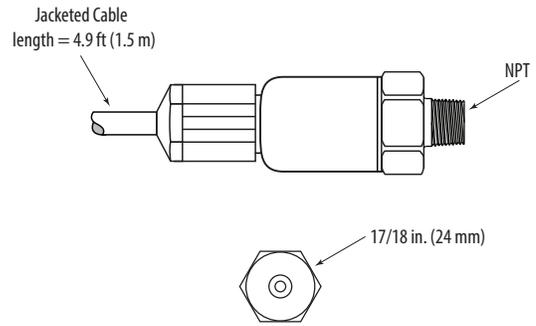


### 2-WIRE, 4 TO 20 MA

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

Call factory for ranges not shown.

Example:

PG 07 A V

### ACCESSORIES

- Brass Snubber, 1/4" NPT (AA69)
- Stainless Steel Snubber, 1/4" NPT (AA70)
- Pigtail Steam Siphon (AA13)

