



PG/PV Series

Gauge Pressure Sensors

Product Overview

The PG, PV, PGE, and PVE pressure transducers are compatible with a variety of HVAC and industrial applications. Volt and mA output options ensure integration with building systems. A wide selection of pressure ranges offers application flexibility. PG and PV deluxe models have a stainless steel housing, while PGE and PVE standard models have a stainless steel wetted connector. All models are warranted for a period of five years.



PG/PV only

NOTICE

- This product is not intended for life or safety applications.
- Do not install this product in hazardous or classified locations.
- Read and understand the instructions before installing this product.
- Turn off all power supplying equipment before working on it.
- The installer is responsible for conformance to all applicable codes.

No responsibility is assumed by Veris Industries for any consequences arising out of the use of this material.

Product Identification

Type	Range	Wetted Material	Output
PG <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox" value="A"/>	<input type="checkbox"/>
Blank = Deluxe E = Economy	03 = 0 to 15 psig (Deluxe only) 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 10 = 0 to 1000 psig 11 = 0 to 5000 psig 12 = 0 to 10000 psig	= 316L stainless steel	B = 1-5VDC (economy only) M = 4-20mA V = 0-10VDC (deluxe only) J = 0-5VDC (deluxe only)

Type	Range	Wetted Material	Output
PV <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox" value="A"/>	<input type="checkbox"/>
Blank = Deluxe E = Economy	03 = -14.7 to 15 psig (Deluxe only) 04 = -14.7 to 25 psig 05 = -14.7 to 50 psig 06 = -14.7 to 75 psig 07 = -14.7 to 100 psig 08 = -14.7 to 250 psig 09 = -14.7 to 500 psig 10 = -14.7 to 1000 psig 11 = -14.7 to 5000 psig 12 = -14.7 to 10000 psig	= 316L stainless steel	B = 1-5VDC (economy only) M = 4-20mA V = 0-10VDC (deluxe only) J = 0-5VDC (deluxe only)

Call factory for ranges not shown.

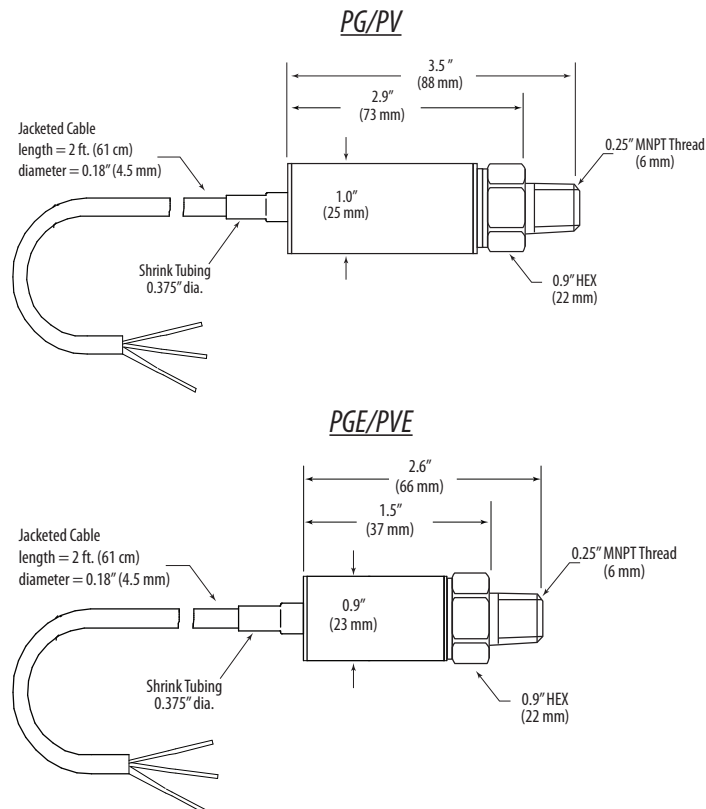
Specifications

ELECTRICAL	
Supply Voltage	10-28 VDC
Output	Deluxe: 0-5/0-10 VDC (3-wire) or 4-20 mA (2-wire) Economy: 1-5 VDC (3 wire) or 4-20 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 *	Deluxe: ±0.25% BFSL **; Economy: ±0.50% 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
OPERATING CONDITIONS	
Shock	100G, 11 msec, 1/2 sine
Vibration	Deluxe: 20G peak, 20 to 2400 Hz Economy: 10G peak, 20 to 2000 Hz
EMI/RFI Protection	Deluxe: yes; Economy: no
Rating	Deluxe: IP-66; Economy: IP-65
Operating Temperature Range	-40° to 85°C (-40° to 185°F)
Compensated Temperature Range	0° to 55°C (32° to 130°F)
Total Error Band Over Temperature	<±1% of FS
Humidity	0-95% RH, non-condensing

* Accuracy includes nonlinearity and hysteresis.

** BFSL = Best fit straight line

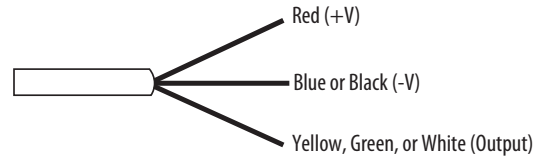
Dimensions



Installation

1. Insert the probe into the area to be measured.
2. Wire according to the diagrams below.

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



2-wire, 4-20mA

