

PGP Features

Pressure sensors convert the process pressure of a liquid or a gas to an electrical output that can be used in a control system. These sensors interface directly to the process using a threaded pipe fitting. They are suitable for measuring the pressure of gas, vapors, or liquids.

	<ul style="list-style-type: none"> PGPS models have a stainless cell, ideal for measuring liquid pressure PGPC models have a ceramic cell, suitable for measuring compressed air/gas 	
Ceramic model		Stainless model

PGP Models

Series	Measuring Range	-	Process Connection	-	Output	-	Electrical Connector
PGPS	150PSIG	-	C	-	I	-	Q
PGPS - Stainless Steel Cell PGPC - Ceramic Cell ⁽¹⁾	15PSIG 50PSIG 100PSIG 150PSIG 200PSIG 3000PSIG 5000PSIG		C - 1/4" Male NPT		I - 4-20 mA; 2-wire		Q - M12 4-pin male quick disconnect connector

PGP Wiring

4-pin M12 Male QD	Pin	Description
	1	Supply +
	2	Output
	3	Not used/no connection
	4	Not used/no connection

Specifications

PGPC Ceramic Model Specifications

Supply Voltage

9 to 30 V DC

Output

4 to 20mA, 2-wire Loop Power

Connections

Electrical: M12x1 4-pin Male

Process: 1/4"-18 Male NPT

Ambient Temperature

-20 °C to +70 °C (-4 °F to +158 °F)

Compensated Temperature

-20 °C to +70 °C (-4 °F to +158 °F)

Storage Temperature

-20 °C to +70 °C (-4 °F to +158 °F)

Enclosure Rating

IP65

Accuracy

±1% of Full Scale

Zero/Span Tolerance

±1% of Full Scale

Long Term Stability

±1%/year

Permissible Over-pressure

1.5x Full Scale

Burst Pressure

2x Full Scale

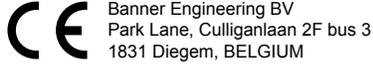
Construction

Housing: #304SS, Copper, Aluminium

Wetted Parts: #316L Stainless Steel, Ceramic

⁽¹⁾ For compressed air, 150PSIG range only

Certifications



PGPS Stainless Steel Model Specifications

Supply Voltage

9 to 30 V DC

Output

4 to 20mA, 2-wire Loop Power

Connections

Electrical: M12x1 4-pin Male

Process: 1/4"-18 Male NPT

Ambient Temperature

-40 °C to +85 °C (-40 °F to +185 °F)

Compensated Temperature

-10 °C to +70 °C (+14 °F to +158 °F)

Storage Temperature

-45 °C to +85 °C (-49 °F to +185 °F)

Enclosure Rating

IP67

Accuracy

±0.5% of Full Scale

Zero/Span Tolerance

±0.5% of Full Scale

Long Term Stability

±0.5%/year

Permissible Over-pressure

2.5x Full Scale

Burst Pressure

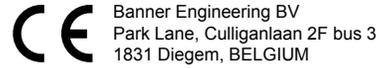
4x Full Scale

Construction

Housing: #304SS, Copper, Aluminium

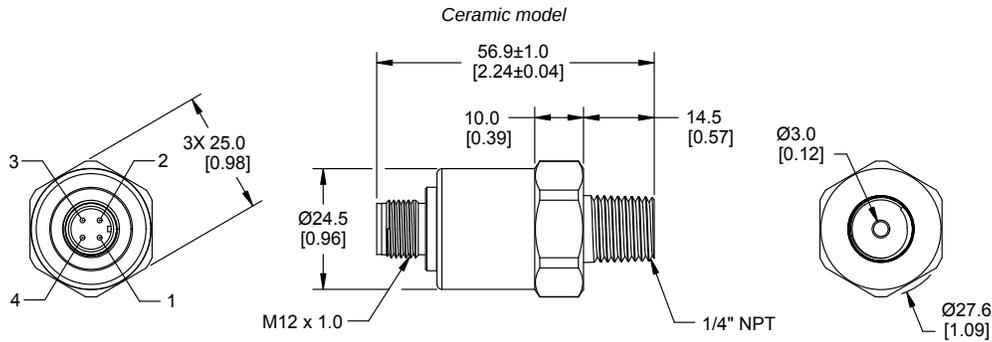
Wetted Parts: #316L Stainless Steel

Certifications



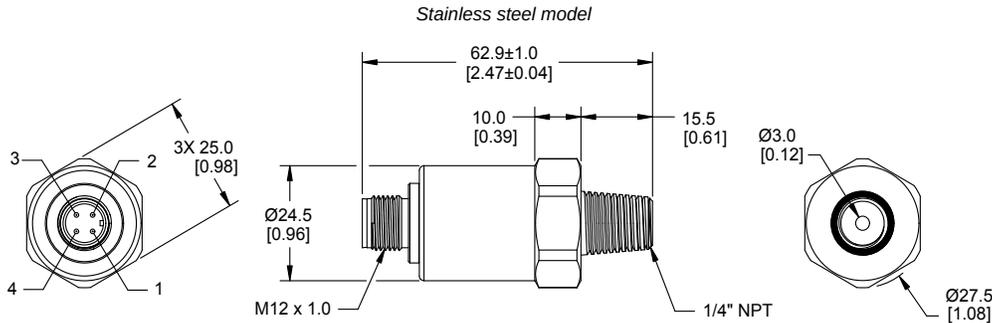
PGPC Dimensions

All measurements are listed in millimeters [inches], unless noted otherwise.



PGPS Dimensions

All measurements are listed in millimeters [inches], unless noted otherwise.



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Document title: PGPS and PGPC Series Pressure Sensor
Part number: 235592
Revision: A
Original Instructions
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