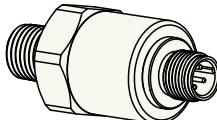
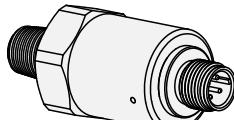


## PGP Features

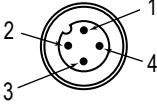
Pressure sensors convert the process pressure of a liquid or a gas to an electrical output that can be used in a control system. These sensors interface directly to the process using a threaded pipe fitting. They are suitable for measuring the pressure of gas, vapors, or liquids.

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

## PGP Models

Series	Measuring Range	-	Process Connection	-	Output	-	Electrical Connector
PGPS	150PSIG	-	C	-	I	-	Q
	15PSIG 50PSIG 100PSIG						
PGPS - Stainless Steel Cell PGPC - Ceramic Cell <sup>(1)</sup>	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 2 3 4	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

<sup>(1)</sup> For compressed air, 150PSIG range only

## Certifications



Banner Engineering BV  
Park Lane, Culliganlaan 2F bus 3  
1831 Diegem, BELGIUM



Turck Banner LTD Blenheim House  
Blenheim Court  
Wickford, Essex SS11 8YT  
GREAT BRITAIN

## 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



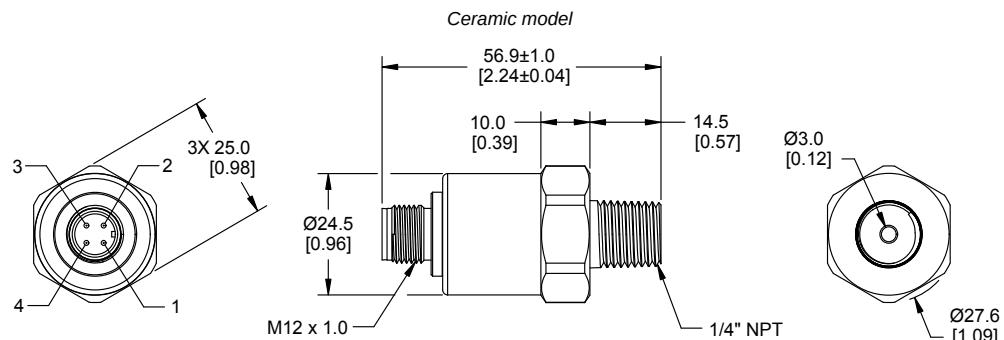
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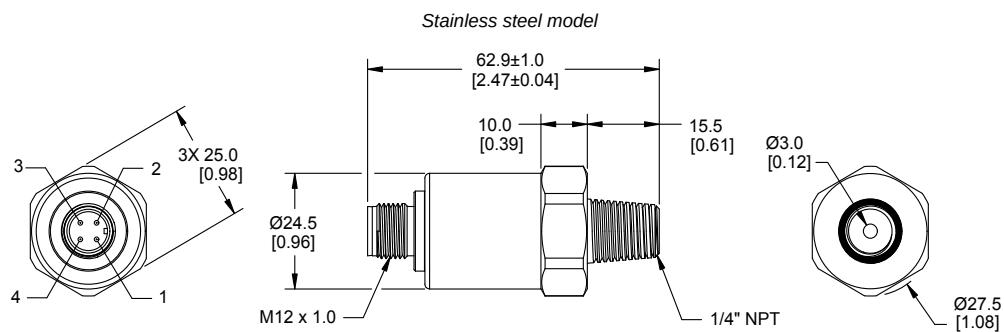
## PGPC Dimensions

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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235592

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