

## Vacuum/Pressure Sensors 0-500PSI, 4-20mA



- Pressure ranges from 0-1bar, 0-3psi, 0-10psi, 0-100psi, 0-500psi, 0-1000psi, 0-5000 psi
- Compact, rugged construction
- Output signals: 4-20mA
- Stainless steel
- Isolated construction, able to test various media
- Enhanced anti-interference and surge protection
- Vented gauge and absolute pressure
- Piezoresistive pressure sensor, silicone oil filled
- A wide range of pressure and electrical connections

The Oceanic Systems' Pressure Sensor range can monitor a wide range of liquids or gas pressures in the marine environment.

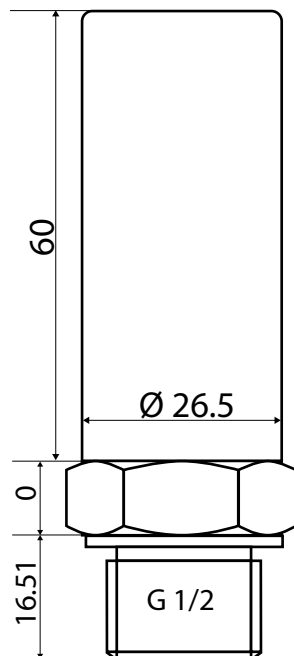
The Pressure Sensors have high stability and feature enhanced anti-interference and surge protection.

The units use a high performance piezoresistive pressure transducer as the sensing part, and the inner structure is O-ring sealed. All the sensors have a -10 to 70°C wide temperature compensation.

# Pressure Sensors 0-5000psi 4-20mA

## Part No. 4620 -4626

### Dimensions



Technical data		
Accuracy @25°C (incl. non-linearity, hysteresis and repeatability)	±0.5% F.S.	
Non-linearity BFSL (conformity)	≤ ±0.3% F.S.	
Hysteresis and repeatability	≤ ±0.1% F.S.	
Response time	< 4 ms	
Pressure range	-1...0bar; 0...0.1bar to 1000bar nical	
Overload pressure	2.0 × F.S. (≤ 250 bar)	
	1.5× F.S. (> 250 bar)	
	1.2× F.S. (1000bar)	
Pressure type	vented gauge, absolute	
Long term stability	≤0.2%F.S./Year	
Temperature coefficient	±0.03%F.S./°C	
Electrical		
Medium temperature range	-20°C > +100°C	
Ambient temperature range (depending on electrical connection)	-20°C > +80°C	
Compensated temperature range	-10°C > +70°C	
EMC - Emission	EN 61000-6-3	
EMC - Immunity	EN 61000-6-1	
Insulation resistance	>100 MΩ at 250 V	
Environmental		
Materials	Diaphragm	Stainless steel 316L
	Enclosure	Stainless steel 304
	Electrical connections	PA66, stainless steel
	O-ring	Viton
Weight (depending on pressure connection and electrical connection)		0.15 - 0.3 kg
Pressure connection	G1/2" BSP	
Electrical connection	Direct cable	
Mechanical		
Medium temperature range	-20°C > +100°C	
Ambient temperature range (depending on electrical connection)	-20°C > +80°C	
Compensated temperature range	-10°C > +70°C	
EMC - Emission	EN 61000-6-3	
EMC - Immunity	EN 61000-6-1	
Insulation resistance	>100 MΩ at 250 V	
Part number	Pressure range	
4620	0-1 bar Vacuum	
4621	0-3psi	
4622	0-10psi	
4623	0-100psi	
4624	0-500psi	
4625	0-1000psi	
4626	0-5000psi	

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