Vacuum/Pressure Sensors 0-5000PSI, 4-20mA



- **Pressure ranges from 0-1bar, 0-10psi, 0-50psi, 0-100psi, 0-500psi, 0-1000psi, 0-5000psi**
- **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**

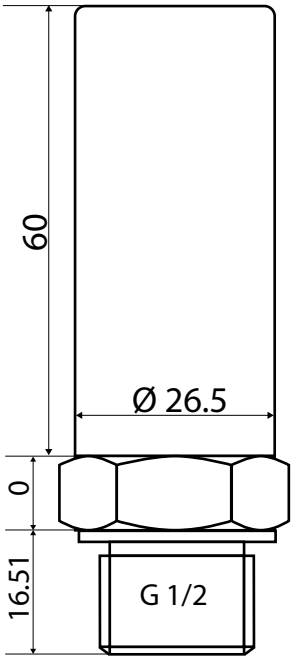
The Oceanic Systems Pressure Sensor range can monitor a wide range of liquids or gas pressures in the marine environment.

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.

Presure 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	0-10psi
4622	0-50psi
4623	0-100psi
4624	0-500psi
4625	0-1000psi
4626	0-5000psi

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