Side Mount Hydrostatic Black Water Sensor



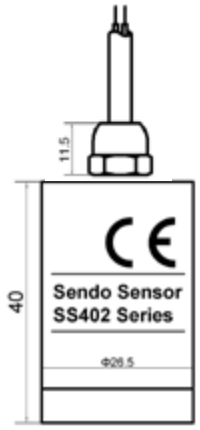
- **Output signals: 4-20mA or 0-10V, 0-5V, 0.5-4.5V**
- **Stainless steel 316L wetted parts**
- **Silicon oil filled, rugged construction**

The Oceanic Systems' Side Mount Hydrostatic Black Water Sensor is designed with piezoresistive technology, and works following the piezoresistive principle. The body of the sensors are designed with stainless steel 316L wetted parts and are rugged and robust.

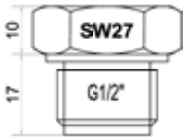
These sensors offer enhanced anti-interference and surge protection by a digital PCB and have available pressure ranges spanning from 5 psig up to 5800 psig(35KPa to 40MPa). There is a standard media working temperature of up to 100°C and the sensors have a reliable long term performance.

Side Mount Hydrostatic Black Water Sensor
Part No. 4672(0-2M)-4673(0-4M)

Dimensions



Mounting



Performance	
Accuracy @25°C (incl. non-linearity, hysteresis and repeatability)	±0.5% F.S.
Response time	< 4 ms
Pressure range	0...0.35bar to 400bar -1...0bar, -1...1bar (negative pressure)
Overload pressure	2.0 × F.S. (≤ 250 bar)
	1.5 × F.S. (> 250 bar)
Pressure type	vented gauge, sealed gauge, absolute
Long term stability	≤0.2%F.S./Year
Temperature coefficient	±0.03%F.S./°C

Electrical specifications				
	4-20mA (enhanced digital)	0-10V (enhanced digital)	0-5V/0.5-4.5V (analog)	0.5-4.5V (analog)
Supply voltage	9-30Vdc	11-30Vdc	10-36Vdc	5Vdc
Polarity protected	Yes	Yes	Yes	Yes
Short-circuit protected	Yes	Yes	Yes	Yes
Zero and span adjustment	No	No	Yes	Yes
Surge protection	Yes	Yes	No	No

Environmental conditions	
Medium temperature range(more see optional 1 in page 3)	-40°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

Mechanical characteristics		
Materials	Wetted parts	Stainless steel 316L
	Enclosure	Stainless steel
	Electrical connections	PA66
Weight (depending on pressure connection and electrical connection)		225-500g
Pressure connection	G1/2	
Electrical connection	Direct cable	

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