Submersible Hydrostatic Fresh/Grey/Black Water Sensor 0-2m & 0-4m tank depths



- **Depth range: 0-2m & 0-4m**
- **Accuracy: @25°C (incl. non linearity, hysteresis and repeatability) ±0.5% F.S.**
- **Response time: <4 ms**
- **Overload pressure: 2 × F.S.**
- **Pressure range: 0...10mbar to 20bar**
- **Long term stability: ≤0.2%F.S./Year**
- **Temperature coefficient: ±0.03%F.S./°C**

The Oceanic Systems Submersible Hydrostatic Water Tank Sensor is designed with piezoresistive technology.

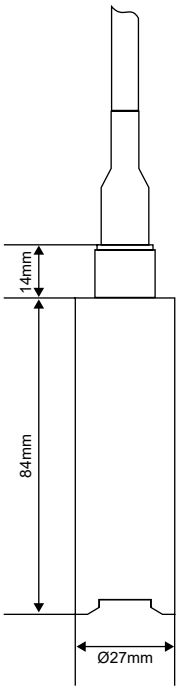
The housing is rated to IP68 and are hermetically sealed making them perfectly suited for all Water Tank environments.

The sensors give long term and accurate readings at pressure ranges from 100 mbar up to 20 bar in the measurement of level and depth (corresponding to water column depths of 1m to 200m).

The electrical connection is a specially designed PU cable with an air tube and the pressure connection is an exposed 316L stainless steel corrugated diaphragm resulting in no pressure port and no blocking problems.

Submersible Hydrostatic Fresh/Grey/Black Water Sensor *Part No. 4650-4651*

Dimensions



Design Standard	
Accuracy @25°C (incl. non-linearity, hysteresis and repeatability)	±0.5% F.S.
Response time	2 × F.S.
Overload pressure	2 × F.S.
Pressure range	0...10mbar to 20bar
Pressure type	≤0.2%F.S./Year
Long term stability	≤0.2%F.S./Year
Temperature coefficient	±0.03%F.S./°C

Electrical				
Signal output	4-20mA	0-10V	0-5V/0.5-4.5V	0.5-4.5V
Supply voltage	9-30Vdc	11-30Vdc	10-36Vdc	5VDC
Polarity protected	Yes	Yes	Yes	Yes
Short-circuit protected	Yes	Yes	Yes	Yes

Mechanical		
Materials	Diaphragm	**Stainless steel 316L**
	Enclosure	Stainless steel 304
	Cable	PU
Sealing rating		IP68
Weight (depending on cable length)		0.5 - 5.0 kg

Environmental conditions	
Medium temperature range	-20 to 85°C
Ambient temperature range	-20 to 85°C
Compensated temperature range	0 to 60°C

Pressure range	
4650	0-2m
4651	0-4m

Connection Way	
Cable colour / Function	2-Wire (4-20ma)
+	Red wire
-	Black wire
Ground	Green wire

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