

Product Specification of:

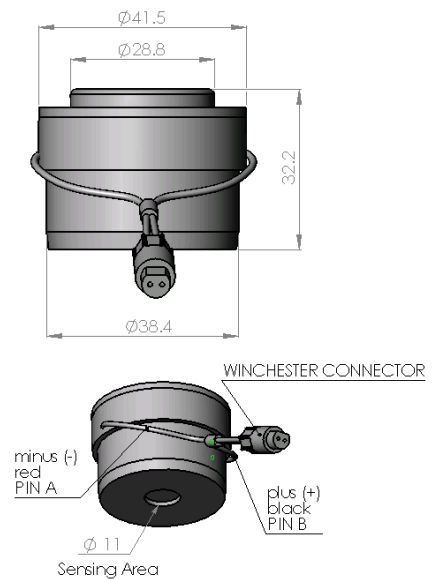
**O<sub>2</sub> - Scuba Diving Sensor****Type : D - 10**

Part. No.: 41 00 60

**Key Features:** galvanic fuel cell featuring an extra water repellent head space, fits to commercial version of Biomarine MK 15/15.5, SM 1600, CCR-1000

All characteristics are based on conditions at 25°C, 50% RH and 1013 hPa

Electrical Connector:	Winchester SM2S on wires
Measurement Range:	0 to 100 Vol.%
Nominal Sensor Life:	> 500 000 Vol.% h
Expected Operating Life:	< 3 years @ ambient air
Output Signal:	22 to 28 mV, dry ambient air
Response Time $t_{90}$ :	< 5 s
Drift:	< 1% volume O <sub>2</sub> / month @ air
Operating Temperature:	0 to 45°C
Pressure Range:	600 to 1750 hPa
Linearity Error:	< 2% of full scale @ const. pressure, temperature
Zero Offset Voltage:	< 150 $\mu$ V in 100% N <sub>2</sub> , applied for 1 min
Influence of Humidity:	-0.03% rel. O <sub>2</sub> reading per % RH
Recommended Load Resistor:	$\geq$ 10 kOhm
Temperature Compensation:	NTC
Interferences:	none to He, H <sub>2</sub> and CO

Tolerance:  $\pm$  0.15 mm**Storage Conditions**

Temperature Range:	recommended: 5 to 30°C maximum: - 20 to 50°C
Ambient Pressure	600 to 1750 hPa
Humidity	up to 100% RH
Shelf Life	< 6 months
Weight	approximately 50g
Material in contact with media	PA, PPS, PTFE, stainless steel
Warranty Period	12 months
Housing Colour	white

This data sheet is subject to change without prior notice!

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