

Product Specification of:

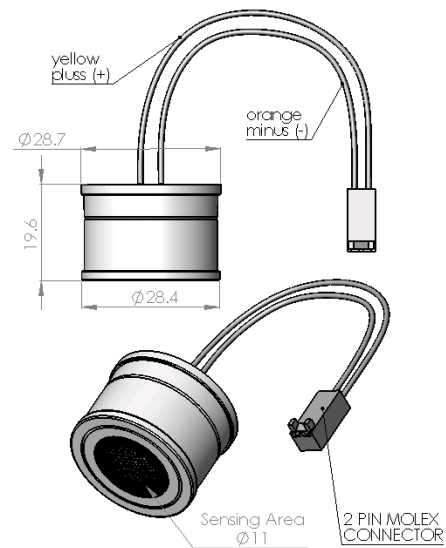
O₂ - Scuba Diving Sensor**Type : D- 03**

Part. No.: 41 00 53

Key Features: galvanic fuel cell featuring an extra water repellent head space, fits to UBS O₂-Stick

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

Electrical Connector:	2-pin Molex
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 ₂ / 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 μ V in 100% N ₂ , applied for 5 min
Influence of Humidity:	-0.03% rel. O ₂ reading per % RH
Recommended Load Resistor:	> 10 kOhm
Temperature Compensation:	NTC
Interferences:	none to He, H ₂ and CO

Tolerance: ± 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 20 g
Material in contact with media:		PA, PPS, PTFE, stainless steel
Warranty Period:		12 months
Housing Color:		white

This data sheet is subject to changes without prior notice!

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