

Product Specification of:

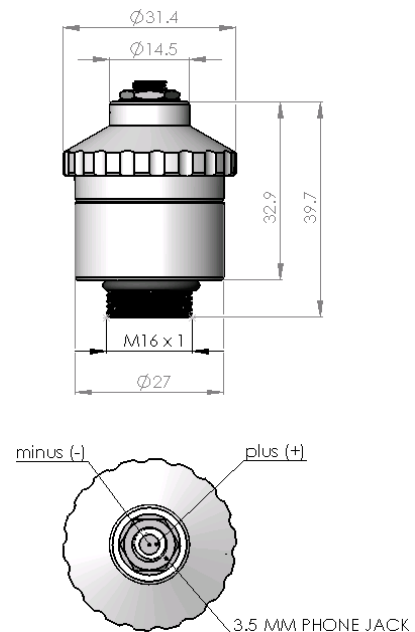
O₂ - Scuba Diving Sensor**Type : D- 01**

Part. No.: 41 00 51

Key Features: galvanic fuel cell featuring an extra water repellent head space, fits to MSA MiniOx, OxyCheqs EICheapo and Vandergraph

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

Electrical Connector:	3.5 mm mono jack
Measurement Range:	0 to 100 Vol. %
Nominal Sensor Life:	> 500, 000 Vol. % h
Expected Operating Life:	< 3 years @ ambient air
Output Signal:	8.5 to 12 mV @ dry ambient air
Response Time t_{90} :	< 12 s
Drift:	< 1% volume O ₂ / month @ air
Operating Temperature:	0 to 45°C
Pressure Range:	600 to 1750 hPa
Linearity Error:	< 2% @ 100% O ₂ applied for 5 min
Zero Offset Voltage:	< 200 μ V in 100% N ₂ , applied for 5 min
Influence of Humidity:	-0.03% rel. O ₂ reading per % RH
Recommended Load Resistor:	\geq 10 kOhm
Temperature Compensation:	NTC
Interferences:	none to He, H ₂ 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 26 g	
Material in contact with media:	PA, PPS, PTFE, stainless steel	
Warranty Period:	12 months	
Housing Color:	white	