

Product Specification of:

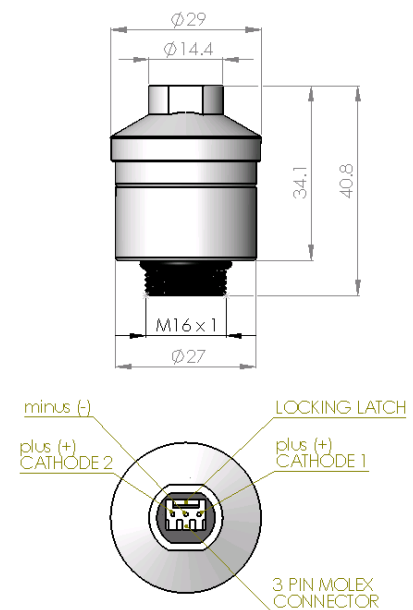
O₂ - Scuba Diving Sensor**Type : D- 04**

Part. No.: 41 00 54

Key Features: dual-cathode galvanic fuel cell featuring an extra water repellent head space, fits to Uwatec Oxy 2

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

Electrical Connector:	3-pin Molex
Measurement Range:	0 to 100 Vol. %
Nominal Sensor Life:	> 500, 000 Vol. % h
Expected Operating Life:	< 3 years @ ambient air
Output Signal:	10 to 12.5 mV, dry @ ambient air
Response Time t_{90} :	< 13 sec
Drift:	< 1% volume O ₂ / month @ air
Operating Temperature:	0 to 45°C
Pressure Range:	600 to 2500 hPa
Linearity Error:	0 to 1.5 bar O ₂ less than 3% relative, 1.5 to 2.5 bar O ₂ less than 5% relative
Zero Offset Voltage:	< 200 µV 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 25 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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