

Product Specification of:

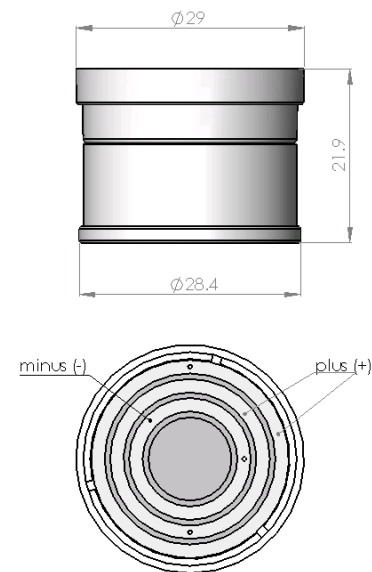
O₂ - Scuba Diving Sensor**Type : D- 06**

Part. No.: 41 00 56

Key Features: dual-cathode galvanic fuel cell featuring an extra water repellent head space, fits to Draeger Oxygauge

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

Electrical Connector:	gold-plated slip rings
Measurement Range:	0 to 100 Vol. %
Nominal Sensor Life:	> 500 000 Vol. % h
Expected Operating Life:	< 3 years @ ambient air
Output Signal:	14.5 to 19.5 mV @ dry ambient air, 600 Ohm load
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,
Output Differential:	U1-U2 < 10% < U1 + U2 @ 20% to 100% O ₂
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
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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IT Dr. Gambert GmbH, Hinter dem Chor 21, 23966 Wismar, GermanyTel.: +49 (0) 3841 22 00 50, Fax: +49 (0) 3841 22 00 522, sales@it-wismar.de, www.it-wismar.de