

O₂ - Scuba Diving Sensor

Type D-03



KEY FEATURE

Galvanic gas sensor with an extra water repellent head space.

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

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| Electrical Connector: | 2-pin Molex® |
| Measurement Range: | 0 to 100 Vol. % |
| Sensor Lifetime: | < 3 years @ ambient air |
| Expected Operating Life: | ~ 500,000 Vol. % h |
| Initial Output Signal: | 22.0 to 27.5 mV @ dry ambient air |
| Response Time t90: | < 5 s |
| Drift: | < 1 % volume O ₂ / month @ air, averaged across 12 months |
| Linearity Error: | < 3 % @ 100 % O ₂ , applied for 5 min |
| Zero Offset Voltage: | < 150 µV in 100 % N ₂ , applied for 5 min |
| Operating Temperature: | 0 to 45 °C |
| Pressure Range: | 600 to 1750 hPa |
| 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 |
| Weight: | approximately 20 g |
| Material in Contact with Media: | PA, PPS, PTFE, stainless steel |

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 recommended |

RELATED PRODUCTS

| Product | Part-No. | Housing Colour |
|------------------------------|----------|----------------|
| O ₂ - Sensor D-03 | 41 00 53 | white |

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