

O₂ - Scuba Diving Sensor

Type D-05J



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.

| | |
|--|--|
| Electrical Connector: | SMB Right Angel Jack with wire, 59K214-303L5 Type Rosenberger |
| Measurement Range: | 0 to 100 Vol.% |
| Sensor Lifetime: | < 2 years @ ambient air |
| Expected Operating Life: | ~ 750,000 Vol.% h |
| Initial Output Signal: | 8.0 to 13.5 mV @ dry ambient air |
| Response Time t90: | < 7 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 |
| Influence of Humidity: | -0.03 % rel. O ₂ reading per % RH |
| Recommended Load Resistor: | ≥ 10 kOhm |
| Temperature Compensation: | NTC |
| Interferences: | none to He and CO |
| Weight: | approximately 24 g |
| Material in Contact with Media: | PA, PPS, PTFE, NBR, stainless steel |

STORAGE CONDITIONS

| | |
|---------------------------|---|
| Temperature Range: | recommended: 5 to 30 °C maximum (≤10h): -20 to 50 °C |
| Humidity: | up to 100 % Rh, non- condensing |
| Shelf Life: | < 6 months recommended |

RELATED PRODUCTS

| Product | Part-No. | Housing Colour |
|-------------------------------|----------|----------------|
| O ₂ - Sensor D-05J | 41 03 55 | white |

www.nrc-international.com



NRC International GmbH

Stentenberg Str. 63
D-51702 Bergneustadt

Phone +49(0)2261-500414
Fax +49(0)2261-500415

info@nrc-international.com