

O₂ - Scuba Diving Sensor

Type D-41



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:	KK 254 Wire-to-Board Header, vertical, with Friction Lock, 3 Circuits Type Molex®
Measurement Range:	0 to 100 Vol.%
Sensor Lifetime:	< 2 years @ ambient air
Expected Operating Life:	~ 500,000 Vol.% h
Initial Output Signal:	31.0 to 44.0 mV @ dry ambient air depending on application
Response Time t90:	< 15 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:	< 0.15 Vol%O 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: -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-41	47 01 62	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