Product Specification of:

CO - Scuba Diving Sensor / Type D-31

.: KEY FEATURE :.

Amperometric gas sensor with low drift and short recovery times even when highly overloaded.

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

Operating Principle:	3-electrode potentiostatic cell w/o potentiostate
Electrical Connector:	3-pin Molex®
Gas Connector:	M16 x 1 thread
Measurement Range:	0 to 2,000 ppm
Initial Sensitivity:	50 nA/ppm to 100 nA/ppm
Warm-up Time:	10 min when connected to bias
Maximum Overload:	up to 10,000 ppm
Response Time t_{90}:	< 20 s
Bias Voltage:	0 mV
Drift:	< 10 % signal/year
Zero Offset Current:	< ± 5 ppm
Sensor Lifetime:	> 2 years
Operating Temperature:	0 to 40 °C
Pressure Range:	750 to 1250 hPa
Interferences:	none to He and CO_2
Weight:	approximately 13 g
Material in Contact with Media:	PP, PPS, PTFE, stainless steel



.: STORAGE CONDITIONS :.

Temperature Range:	recommended: 5 to 25 °C
	maximum: -20 to 60 °C
Ambient Pressure:	600 to 1250 hPa
Humidity:	20 to 80 % RH (10 to 98 % in short term)
Shelf Life:	< 3 months recommended

.: RELATED PRODUCTS

Product	Part-No.	Housing Colour
CO - Sensor D-31	47 00 35	grey

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