DAVITEQ OXYGEN O2 GAS SENSOR FOR HIGH HUMIDITY 0-30%, SERI-4

KEY FEATURES

• For high-humidity environments
• Long-Life sensor with no consumable parts and lead-free (RoHS compliant)

APPLICATIONS

• Oxygen Monitoring in Diffusion Mode
• Continuous Air Quality Monitoring
• Safety and Environmental Control

SENSOR SPECIFICATION

MEASURING SPECIFICATION	
Sensor type	Daviteq Seri-4 electrochemical gas sensor
Nominal range	0-30%
Maximum overload	100%
Filter	come with the main device
Resolution	0.1%
T90 response time	< 30s (via filter)
Typical Baseline Range (20°C)	< 0.1% in pure N2
Repeatability	< 2% of reading
Accuracy	+/- 5% of reading
Zero Stability	0 .. 0.1 % in pure Nitrogen, 20oC
Temperature compensation	Yes
WORKING CONDITIONS	
Relative humidity range	50 % to 95 % RH non-condensing
Temperature range	-40 °C to 50 °C
Pressure range	Atmospheric ± 10%
SENSOR LIFETIME	
Expected Operation Life	3 years in the air
Expected Long-Term Output Drift in air	< 1.33 % of reading loss per year

CROSS SENSITIVITY DATA

Interfering Gas	Concentration (ppm)	Reading (%)

C2H4	1000	0
CO	2000	0.05
H2	1000	0.01
H2S	500	-0.02
SO2	200	-0.01

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