

# DAVITEQ OXYGEN O2 GAS SENSOR 0-30%, SERI-4

## KEY FEATURES

- Fast equilibration time
- 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	< 28s (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	15 % to 90 % 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 (%)
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C2H4	1000	0
CO	2000	0.05
H2	1000	0.01
H2S	500	-0.02
SO2	200	-0.01

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🕒 Revision #4  
★ Created Tue, Nov 22, 2022 3:43 AM by [Lộc Vĩnh Nguyễn](#)  
✎ Updated Thu, Dec 8, 2022 1:58 AM by [Lộc Vĩnh Nguyễn](#)