



## Hach Orbisphere Electrochemical Oxygen (O<sub>2</sub>) Sensor, Stainless Steel, 100 bar, EPDM O-Ring, with fast temperature changes option

**Product #:** 31130A.01  
**ZAR Price:** Contact Hach  
**No availability shown**



**Hazardous**

Items with this mark may be considered hazardous under some shipping conditions.

If necessary, we will change your selected shipping method to accomodate these items.

The unique polarographic sensor design of the Orbisphere 311xx Sensors is a proven performer wherever knowledge of O<sub>2</sub> content is critical.

From beverage quality control to corrosion monitoring in power generators, from package sampling to chemical manufacturing, these sensors provide fast, accurate oxygen measurements, in gaseous or liquid samples.

A wide range of temperature and pressure ranges is made possible by Orbisphere's exclusive valve seat sealing, whereby the sensor cathode is mechanically tensioned against a ceramic valve seat to ensure the integrity of the seal. This design enables a vanishingly small residual signal, for improved accuracy.

All Orbisphere oxygen sensors use the deep-draw membrane mounting method for a uniformly thin layer of electrolyte for faster response and superior stability. Coupled with a screw-on protection cap, the sensor provides in-service intervals of up to a year.

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### Specifications

Accuracy:	±1% of reading, or ± lower measurement range, whichever is greater
Ambient Temperature:	-5 - 100 °C (23 - 212 °F)
Certifications:	2004/108/EC - EN 61326-1
Fast Temperature Change Option:	Yes, 100 bar
Flow Rate:	Recommended flow rate in flow chamber
	2935A: 20 mL/min
	2952A: 30 mL/min
	2956A: 180 mL/min
	29552A: 50 mL/min
Material:	O-Ring: EPDM
Parameter:	Oxygen
Protection Class:	IP68 / NEMA4
Range:	Range at 25 °C
	2935A : 10 ppb-400 ppm or 20 Pa-1,000 kPa
	2952A : 1 ppb-80 ppm or 5 Pa-200 kPa

	2956A : 0.1 ppb-20 ppm or 0.25 Pa-50 kPa
	29552A : 2 ppb-80 ppm or 5 Pa-200 kPa
Response Time:	2935A: 2.5 min
	2952A: 38 s
	2956A: 7.2 s
	29552A: 90 s
Sample Pressure:	0 - 100 bar
Sensor material:	Stainless Steel
Special Features:	Silver guard ring
Temperature Range:	Temperature compensated range from -5 - 50 °C (23 - 122 °F)
Warranty:	12 months
Weight:	0.6 kg
What's included?:	Sensor and manual.
	Controller, sensor cable, flow-chamber or process connection must be ordered separately.

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