Orbisphere GA2800 ATEX Oxygen Sensor (EC), Stainless Steel, 100 bar, FFKM/FFPM O-rings

Product #: **GA280E-SKS**

ZAR Price:
No availability shown

Contact Hach

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.

Highly accurate and customisable oxygen measurement for all environments

The Orbisphere GA2800 EX oxygen (O_2) Electrochemical (EC) sensor is designed for process monitoring as well as laboratory analysis in the liquid or gas phases across.

With its large measuring possibilities the Orbisphere GA2800 EX O_2 EC-sensor can be used for a wide range of harsh environments from chemical or oil to petrochemical plants where oxygen measurement is critical.

A small residual signal with unrivalled accuracy (±0.1 ppb) is made possible by the exclusive sensor design. Different pre-mounted membrane kits are available to fulfill any particular process requirements and O_2 measurement ranges required.

The GA2800 EX O_2 electrochemical sensor is mechanically resistant to pressure up to 100 bar due to Stainless Steel material and FFKM/ FFPM O-rings.

Easy and fast maintenance
Traditional cleaning processes can take more than thirty minutes to complete. The GA2400 and GA2800 EX come with an innovative cartridge system that contains everything needed to complete membrane and electrolyte solution change in less than 5 minutes.

Low level oxygen measurement and unrivaled accuracy
The Hach Orbisphere GA2400 and GA2800 EX utilise an electrochemical oxygen sensor with a lower detection level of 0.1 ppb and unrivaled highly accurate readings of ±1%. This feature allows users to ensure control of low oxygen levels, for product and equipment integrity and avoiding corrosion.

Robust for harsh environments
The robust stainless steel or Hastelloy design makes the GA2400 and GA2800 EX sensor ideal for the most demanding applications. ATEX certification comes standard in all GA2800 units, making the sensor especially suitable for harsh chemical environments.

Specifications

Accuracy:	Accuracy = Trueness (ISO 57251)
	2935A-A: The greater of ±1% of reading or ± 10 ppb, or ± 20 Pa
	2952A-A: The greater of ±1% of reading or ± 2 ppb, or ± 5 Pa
	2956A-A: The greater of ±1% of reading or ± 0.1 ppb[1], or ± 1 ppb[2], or ± 0.25 Pa
	29552A-A: The greater of ±1% of reading or ± 2 ppb, or ± 5 Pa
	[1] Accuracy is ± 0.1 ppb for 410, 510, 362x, 360x and 3655 instruments

	[2] Accuracy is ± 1 ppb for 366x and 3650 instruments
Body Material:	Stainless Steel
Certifications:	CE, Ex II 1 G, Ex ia IIC T6
Flow Rate:	Recommended flow rate in flow chamber
	2935A-A: 25 mL/min
	2952A-A: 50 mL/min
	2956A-A: 180 mL/min
	29552A-A: 50 mL/min
Material:	O-Rings: FFKM/FFPM
Model:	GA2800 EX
Pressure Range:	100 bar
Pressure resistance:	40 bar minimum with default PPS collar (100 bar with stainless steel collar)
Protection Class:	IP66
Range:	Range at 25 °C
	2935A-A: 10 ppb - 400 ppm or 20 Pa - 1,000 kPa
	2952A-A: 1 ppb - 80 ppm or 5 Pa - 200 kPa
	2956A-A: 0.1 ppb - 20 ppm or 0.25 Pa - 50 kPa
	29552A-A: 2 ppb - 80 ppm or 5 Pa - 200 kPa
Response Time:	Response time at 25 °C for a 90% signal change
	2935A-A: 2.5 min
	2952A-A: 38 s
	2956A-A: 7.2 s
	29552A-A: 90 s
Sensor material:	Stainless Steel
Temperature Compensation:	-5 - 60 °C
Temperature resistance:	-5 - 100 °C
Warranty:	6 months
Weight:	0.3 kg
Wetted Materials:	Stainless Steel 1.4404 (AISI 316L), surface finish: N5, Ra < 0.4 µm
	No O-rings are in contact with the sample
What's included?:	Oxygen Sensor (GA280E-SKS), incl. plastic screw-on storage cap for sensor head protection; protection cap without grille (33051-S0); protection cap with grille (33051-SP)

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