



Orbisphere C1100 Ozone sensor, stainless steel, up to 100 bar

Product #: C1100-S0S
AED Price: Contact Hach

Time and cost saving ozone sensor

Electrochemical ozone sensor, stainless steel version, maximum pressure 100 bar, with Smart capability. The C1100 can measure O₃ below 1 ppb level with performance unrivaled in the market.

The Orbisphere C1100 sensor is designed to measure ozone in ultra pure water loops, or in the sanitising phase of any beverage production line (bypass).

This unique sensor does not require a specific set up or skilled operators for in-line operation.

True Zero - drift free and accurate measurements

With the unique Orbisphere platinum guard ring technology preventing false signals arising from the electrolyte, this sensor provides a true, drift free zero. Operators can be confident of measurements and alarm settings knowing the sensor is providing a 0.6 ppb detection level and ± 0.4 ppb accuracy at a 5 ppb level.

Wasted production is eliminated with no alarm discrepancies and risk is reduced in stopping the production line.

Fast, easy, traceable and reliable calibration

The C1100 ozone sensor has a unique air calibration feature that offers operators a quick and easy method to calibrate without requiring an external standard. Air calibration provides an accuracy of better than $\pm 5\%$ (achieving better than $\pm 1\%$ against an ozone standard of known concentration). The sensor could be delivered with a traceable validation certificate (to be ordered separately) using a $\pm 0.5\%$ reference. The Orbisphere C1100 is the only sensor in the available that provides such certified high accuracy!

Low cost maintenance

With the unique Orbisphere cartridge, maintenance is easy. Both the set up and the initial sensor replacement procedure can be performed in just 3 minutes without the risk of miss positioning the membrane. This unique benefit substantially reduces and saves your annual maintenance costs.

Unbeatable reliability

Orbisphere has a history for quality and reliability when it comes to manufacturing long lasting and accurate instrumentation. The Orbisphere C1100 ozone sensor is designed to offer beverage and water quality operators peace of mind when measuring ozone.

Specifications

Accuracy:	± 0.4 ppb or $\pm 5\%$ whichever is the greater
Application:	Life Science, Beverage
Certifications:	2004/108/EC - EN 61326-1
Certified for hazardous environment:	No
Flow rate:	350 mL/min (typical)
Material:	Stainless steel
Measuring range:	0 ppb - 50 ppm O ₃

Membrane:	2956A-C
Pressure range:	Up to 100 bar
Response time:	30 s
Temperature range:	-5 - 45 °C
Warranty:	24 months
What's included?:	Sensor only.
	Controller, sensor cable, flow-chamber or process connection must be ordered separately.

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Required Accessories

- Orbisphere 410 Controller O₃ (EC), Wall Mount, 100-240 VAC, 0/4-20mA (Item 410C/W1C00000)
- Orbisphere 410 Controller O₃ (EC), Wall Mount, 10-30 VDC, 0/4-20mA (Item 410C/W2C00000)
- Orbisphere 410 Controller O₃ (EC), Wall Mount, 10-30 VDC, 0/4-20mA, Profibus (Item 410C/W2C10000)