

Digital oxygen sensor Oxymax COS22D

Memosens amperometric oxygen sensor for standard, hygienic and sterile applications



More information and current pricing:

www.id.endress.com/COS22D

Benefits:

- Reliable, long-term stability and linear measurement
- Low-maintenance design
- Suitable for CIP/SIP and autoclaving
- Unique hygienic design (EHEDG)
- USP class VI
- Approved for hazardous area use

Specs at a glance

- **Measurement range** 0.001 to 20 mg/l 0 to 200 %SAT 0 to 400 hPa
- **Process temperature** -5 to 135 °C (23 to 275 °F)
- **Process pressure** 1 to 12 bar abs (14.5 to 174 psi)

Field of application: The Oxymax COS22D safeguards your products, process and plant equipment from oxygen influences. It measures reliably over a wide range helping you to better monitor and control your applications. The sensor is low-maintenance and ensures long-term stability - even with frequent sterilization and autoclaving. Thanks to Memosens digital technology, COS22D combines maximum process and data integrity with simple operation. It enables lab calibration and facilitates predictive maintenance.

Features and specifications

Oxygen

Measuring principle

Amperometric oxygen measurement

Oxygen

Application

Beverage, pharmaceuticals, biotechnology, water treatment, process, chemical, inertization

Installation

Standard process connection Pg 13.5
Installation in standard pH assemblies possible

Characteristic

Digital or analog sensor for long-term stable oxygen measurement for frequent sterilization and autoclaving
CO₂ compatible trace sensor for the beverage industry
Trace sensor in the power plant sector

Measurement range

0.001 to 20 mg/l
0 to 200 %SAT
0 to 400 hPa

Measuring principle

Amperometric measurement of oxygen

Design

Membrane-covered 2-electrode oxygen sensor with teflon-membrane, stainless steel sensor

Material

Sensor body: stainless steel 1.4435
Membrane: PTFE coated stainless steel net with a silicone coating

Dimension

Diameter: 12 mm (0.47 inch)
Shaft length: 120, 225, 360 and 420 mm
(4.72, 8.86, 14.2 and 16.5 inch)

Process temperature

-5 to 135 °C (23 to 275 °F)

Oxygen

Process pressure

1 to 12 bar abs (14.5 to 174 psi)

Temperature sensor

Integrated NTC temperature sensor

Connection

Memosens-connection head

Additional certifications

Material certification 3.1
EHEDG Type EL Class I

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