

# Digital oxygen sensor

## Oxymax COS51D

### Memosens amperometric oxygen sensor for water, wastewater and utilities



#### Benefits:

- Maximum measurement accuracy
- Logging of sensor load data for easy traceability
- Intelligent, self-monitoring sensor
- Minimum calibration effort thanks to simple air calibration
- Long maintenance intervals
- Approved for hazardous area use

#### Specs at a glance

- **Measurement range** 0.01 to 100 mg/l 0.00 to 1000 %SAT 0 to 2000 hPa
- **Process temperature** -5 to 50 °C (20 to 120 °F)
- **Process pressure** max. 10 bar (max. 145 psi)

More information and current pricing:

[www.ca.endress.com/COS51D](http://www.ca.endress.com/COS51D)

**Field of application:** Oxymax COS51D is a reliable and highly accurate oxygen sensor for all kinds of water & wastewater applications (including hazardous areas). Designed to be low-maintenance with a long operating life, the sensor offers outstanding value for money. Thanks to Memosens digital technology, the Oxymax COS51D combines maximum process and data integrity with simple operation. It resists corrosion and moisture, enables lab calibration and facilitates predictive maintenance.

### Features and specifications

Oxygen

#### Measuring principle

Amperometric oxygen measurement

## Oxygen

### Application

Aeration tank, river monitoring, water treatment, fish farming, sewage treatment plants

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### Characteristic

Amperometric 3-electrode longterm-stable sensor to measure dissolved oxygen

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### Measurement range

0.01 to 100 mg/l  
0.00 to 1000 %SAT  
0 to 2000 hPa

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### Measuring principle

Closed membrane covered amperometric 3-electrode system

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### Design

Digital signal transmission  
Calibration datas stored in the sensor

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### Material

Sensor body: POM  
Membrane cap: POM

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### Dimension

Diameter: 40mm (1.57 inch)  
Shaft length: 144 mm (5.67 inch)

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### Process temperature

-5 to 50 °C  
(20 to 120 °F)

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### Process pressure

max. 10 bar  
(max. 145 psi)

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### Connection

Memosens connector  
Process: G1, NPT 3/4"

Oxygen

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More information [www.ca.endress.com/COS51D](http://www.ca.endress.com/COS51D)