Digital oxygen sensor
Oxymax COS51D

Memosens amperometric oxygen sensor for water, wastewater and utilities

More information and current pricing:

www.at.endress.com/COS51D

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)

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

Endress+Hauser

Oxygen

Application

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

Characteristic

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

Measurement range

0.01 to 100 mg/l

0.00 to 1000 %SAT

0 to 2000 hPa

Measuring principle

Closed membrane covered amperometric 3-electrode system

Design

Digital signal transmission

Calibration datas stored in the sensor

Material

Sensor body: POM

Membrane cap: POM

Dimension

Diameter: 40mm (1.57 inch)

Shaft length: 144 mm (5.67 inch)

Process temperature

-5 to 50 °C

(20 to 120 °F)

Process pressure

max. 10 bar

(max. 145 psi)

Connection

Memosens connector

Process: G1, NPT 3/4"

Oxygen

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