# Digital oxygen sensor Memosens COL37E

## Agile Memosens 2.0 oxygen sensor for laboratory measurements and random sampling in the field

More information and current pricing:

[www.endress.com/COL37E](www.endress.com/COL37E)

**Benefits:**

- Flow-free C-shaped optical cap eliminates interference of air bubbles
- Easy handling thanks to optical sensor technology without electrolyte and polarisation time
- Long lifetime of the robust optical spot for stable measurements
- Memosens technology with true plug and play and conclusive traceability
- Easy cleaning due to optical measurement principle and seamless design
- Temperature compensation and registration with the integrated temperature sensor
- Supports the requirements of quality management with tamper-proof stored information such as serial number or calibration history

### Specs at a glance

- **Measurement range** 0 to 200 %SAT
- **Process temperature** −5 to +60 ˚C (23 to 140 ˚F)
- **Process pressure** 1 bar, not intended for continues measurment in process

**Field of application:** The optical oxygen sensor Memosens COL37E allows for easy handling and maintenance. It allows simple adjustments to enhance the oxygen measurement and has a very fast response time. With the Memosens 2.0 technology operators also benefit from true plug and play. The sensor is agile in all environments and allows quick checking of oxygen values in aeration tanks, fish farms and surface water.

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# Features and specifications

Oxygen

**Measuring principle**

Optical oxygen measurement

**Application**

Measurements in the field of surface water, wastewater and process water

**Characteristic**

Agile digital Memosens 2.0 optical oxygen sensor for laboratory measurements
and random sampling in the field

**Measurement range**

0 to 200 %SAT

**Material**

Stainless steel

**Dimension**

Diameter: 12 mm (0.47 inch)
Shaft length: 120 mm (4.72 inch)

**Process temperature**

−5 to +60 ˚C (23 to 140 ˚F)

**Process pressure**

1 bar, not intended for continues measurment in process

**Temperature sensor**

Pt1000

**Connection**

Inductive, digital connection head with Memosens 2.0 technology

**Ingres protection**

IP68

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