

# Dissolved oxygen transmitter Liquisys COM253

Compact field device for water, wastewater, utilities and fish farming



More information and current pricing:

[www.casc.endress.com/COM253](http://www.casc.endress.com/COM253)

## Benefits:

- More operational safety: Continuous process check system, customized alarm configuration, calibration plausibility check.
- Reliable oxygen control: Current input for flow rate monitoring with controller shut off or for feedforward control.
- Easy to operate and service: Simple single-point calibration in air, air-saturated water or in the medium, direct access for manual contact control.
- Reduced maintenance: Automatic cleaning function (with Chemoclean) triggered by alarm or limit switch.
- Fit for every application: Numerous extensions, e.g. P(ID) controller, timer, etc., allow for flexible adaption to all processes.

## Specs at a glance

- **Input** 1-channel transmitter.
- **Output / communication** 0/4-20mA, Hart, Profibus.

**Field of application:** Liquisys COM253 is a standard transmitter for use with COS41 and COS61 oxygen sensors. It improves your operational safety thanks to continuous plausibility, process and sensor checks. Select from numerous hardware and software modules, such as relays or fieldbus communication, to adapt it exactly to your measuring task. This modularity also allows you to upgrade the transmitter at any time. A simple menu and calibration make configuration and operation fast and easy.

## Features and specifications

## Oxygen

**Measuring principle**

Amperometric oxygen measurement

**Application**

Water, Waste water, process, fish farming

**Characteristic**

4-wire transmitter with graphic display.

**Design**

Dissolved oxygen transmitter in a field housing made of PC/ABS for COS31/41/71.

**Material**

PC/ABS-housing

**Dimension**

247x170x115mm  
(9.63x6.63x4.48inch)

**Temperature sensor**

Display and current output.

**Input**

1-channel transmitter.

**Output / communication**

0/4-20mA, Hart, Profibus.

**Additional certifications**

CSA Gen. Purpose.

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