

WATERPROOF DISSOLVED OXYGEN METER CO-402 FOR TRACE OXYGEN CONTENT

CO-402 is designed for measuring trace oxygen concentration in % or mg/l and temperature in °C. The meter is used for measurements where the oxygen content has been reduced to minimal quantities – e.g. in heat and power plants, chemical or science laboratories.

The meter cooperates with **COG-1ts** galvanic dissolved oxygen sensor and a special head for flow measurement.

Characteristic features:

- It is characterised by high accuracy and stability of the measurement.
- “HOLD” function to freeze the result on the display.
- Signalisation of the result stabilisation with the “READY” symbol and a sound.
- Possibility of sending a calibration report to a PC - up to 10 last calibrations.
- It is equipped with easy to read backlit display what makes working easier.
- Automatic or manual temperature compensation.
- Software for data transmission and collection delivered in the set.
- Sensor calibration in 2 points: 0% and 100% O₂.



- Datalogger for 4000 data sets taken in series or individually with temperature, time and date.
- Non-volatile memory of the stored results and calibration data.
- Storing the next calibration date and signalling it to the user.
- Possibility of connecting with a PC by micro USB connector.
- Auto switch-off function after time set by the user.
- Waterproof housing facilitates working in difficult conditions.
- Powered by rechargeable batteries, or power adapter with USB - micro USB cable.
- Warranty for the meter: 24 months.

The measuring set includes:

1. **CO-402 oxygen meter.**
2. **COG-1ts** oxygen sensor is built of specially selected elements to obtain high accuracy and stability in extremely low oxygen concentration (close to zero). It is designed to measure trace oxygen concentration in water and water solutions. It is equipped with built-in temperature sensor - Pt-1000B resistor.
3. **GXP-01M** flow through head (vessel) for oxygen sensor installation and measurement in flow.

Minimal flow	5 l / h
Maximal pressure	0,1 Mpa
Temperature resistance to of the head to	60°C
Connection for hose	10 mm
Body material	plexiglass



COG1ts sensor



GXP-01M flow vessel

TECHNICAL DATA

Dissolved oxygen measurement

Range	Resolution	Accuracy
0 ÷ 130.00 %	0.01 %	±0.05% ± 1 digit*
0 ÷ 10.000 mg/l	0.001 mg/l	±0.005 mg/l ± 1 digit**

* The accuracy of the meter only. With COG-1ts oxygen sensor the accuracy at calibration temperature: ±1%. By the difference ±5 °C accuracy: ± 3%, by the difference ±10°C accuracy: ±5%.

**The accuracy of the meter only.

Temperature measurement

Range	Resolution	Accuracy
- 50.0 ÷ 199.9 °C	0.1 °C	±0.1 °C* (± 1 digit)

**The accuracy of the meter only.

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