

## WATERPROOF OXYGEN METER CO-401

Designed for measurement of oxygen dissolved in water and sewage in % or mg/l, temperature, atmospheric pressure and oxygen saturation in air. Used for measurements in the field and laboratory. The most recent version is upgraded with new functions which make working easier and fulfil more customer's requirements.

### Characteristic features:

- Low weight and small size make working in the field easier.
- Waterproof housing facilitates working in difficult conditions.
- Equipped with easy-to-read backlit LCD with brightness control.



- Automatic air pressure measurement with calculation of its influence on the result of measurement of oxygen content in water or sewage in mg/l.
- Possibility of introducing the salinity value with automatic calculation of its influence on the result of measurement of oxygen content in water or sewage in mg/l.
- If measurement in mg/l is preferred it is highly recommended to choose CCO-401 pH / conductivity meter, in which the influence of the salinity on the oxygen concentration is automatically calculated, basing on salinity 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.
- Easy in use galvanic oxygen sensor.
- When properly handled, the sensor may be efficient for several years.
- 1 or 2 point oxygen sensor calibration.
- Automatic or manual temperature compensation.
- Wide measuring range enables measurements in lakes with blooming vegetation.
- Possibility to determine the purity of industrial oxygen.

#### Other features:

- Clock with date.
- Storing the next calibration date and signalling it to the user.
- Auto switch off function, with time set by the user, to protect the batteries against discharging.
- Internal datalogger enables storing up to 4000 sets of results, taken in series or singly with temperature, time and date.
- The results and calibration data are stored in non-volatile memory.
- Possibility of connecting with a PC by micro USB connector and micro USB cable delivered in the set.
- Change of the date protected by a password
- The data transmission software enables printout of the data in a form protected against any changes.
- Powered by rechargeable batteries or power adapter with USB / micro USB cable.
- The meter meets the **GLP** requirements.
- 24 months of warranty for the meter.

The standard set includes: **COG-1** oxygen sensor, **CT2B-121** temperature sensor with **Pt-1000B** resistor.

#### TECHNICAL DATA

Function	Oxygen %	Oxygen %	Oxygen mg/l	Temperature
Environment	air	water	water	water or air
Range	0 ÷ 100 %	0 ÷ 600 %	0 ÷ 60 mg/l	-50.0 ÷ 199.9 °C
Accuracy (± 1 digit)	± 0.1%*	±0.1%**	±0.01 mg/l*	±0.1 °C***
Temp. compensation	-	-	0 ÷ 40 °C	-
Atmospheric pressure	800 ÷ 1100 hPa; accuracy ± 2 hPa			
Power	Rechargeable batteries: 2 x AA 1,2V or 5 V / 1000 mA micro USB power adapter			
Dimensions (mm) / weight	L=149, W=82, H=22 / 220 g			

\* The accuracy of the meter only.

\*\* The accuracy of the meter only. With COG-1 or COG-2 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. The total error includes the meters and probe's accuracy. In the range 0 ÷ 100 °C the acceptable error of the probe with Pt-1000B resistor: ±0.8 °C, with Pt-1000A resistor: ±0.35 °C.

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