

WATERPROOF OXYGEN METER CO-451

- Designed for measurement of oxygen dissolved in water and sewage in % or mg/l, oxygen content in the air in % and temperature.
- Colour, graphic touchscreen - enables simultaneous readout of the oxygen and temperature value.
- Used for field and laboratory work.
- Low weight and small size make working in the field easier.
- Long lasting work in laboratory possible with use of the power adapter.
- Waterproof housing (IP-66) enables work in difficult conditions.
- 1 or 2 point oxygen sensor calibration (at 0% and 100%).
- Automatic temperature compensation.
- Enables entering manually the values of air pressure and salinity for automatic correction of their influence on the result of oxygen concentration in water or sewage measured in mg/l.
- Memory of 200 results with time and date.
- Calibration time reminding.
- Powered by rechargeable batteries or power adapter.
- Available 7 different languages: english, german, french, spanish, portuguese, italian, polish.
- Automatic switch off function.



- Delivered in the set **COG-1** easy-in-use, accurate galvanic oxygen sensor with 1 m cable.
- When properly maintained, the sensor may work efficiently for several years.
- 24 months of warranty for the meter.
- The standard set includes the oxygen sensor, oxygen sensor equipment, temperature sensor with a built in PT-1000b resistor, power adapter and protective case for the meter and accessories.

TECHNICAL DATA

Function	Oxygen mg/l	Oxygen %	Oxygen in AIR %	Temperature
Range	0 ÷ 30.00 mg/l	0 ÷ 300.0 %	0 ÷ 100.0 %	-50.0 ÷ 200 °C
Accuracy (± 1 digit)	±0.02 mg/l*	±0.2%*	±0.2%*	±0.1 °C **
Temperature compensation	0 ÷ 40 °C	-	-	-
Power supply	2 x AA 1.2 V rechargeable battery, 5 V / 1000 mA power adapter			
Dimensions (mm) / weight	L=149, W=82, H=22 / 240 g			

* The accuracy of the meter only. With COG-1 or COG-2 oxygen sensor the accuracy at calibration temperature: ±2%. By the difference ±5 °C accuracy: ± 4%, by the difference ±10°C accuracy: ±6%.

** 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 ±0,35 °C