

Portable dissolved oxygen measurement MW600 PRO



- Measurement of dissolved O₂
- Polarographic probe
- Compact and ergonomic design
- Large LCD display
- Two-point calibration (0 and 100%)

APPLICATIONS

The MW600 PRO is a compact, portable device designed for measuring dissolved oxygen.

It measures dissolved oxygen using a polarographic probe and is suitable for a wide range of applications, including education, aquaculture, and water analysis across various industries.

This practical and ergonomic device is ideal for anyone working with a limited budget who still requires fast and reliable measurements.

The large LCD screen makes readings easy to see.

The MW600 PRO is easily calibrated at two points (0 and 100%).

It features automatic temperature compensation from 0 to 30 °C, ensuring high accuracy.

The MW600 PRO set includes the following items:

- 1 x MA840 polarographic electrode equipped with 4 m of cable
- 5 x replacement membranes (MA841)
- 1 x protective cap
- 1 x calibration solution (20 ml)
- 1 x screwdriver for calibration
- 1 x 9 V battery



TECHNICAL FEATURES

Measurement range	0.0 to 19.9 mg/L (O ₂)
Resolution	0.1 mg/L
Accuracy (at 25 °C)	+/- 1.5% of full scale
Calibration	2-point manual (zero and slope)
Temperature compensation	Automatic from 0 to 30 °C
MA840 probe	Polarographic with 4 m cable
Environmental conditions	Max: 0 to 50 °C, 95% RH
Battery included	9 V alkaline / 70 hours of use
Package dimensions	268 x 122 x 118 mm
Weight	880 g (Complete MW600 set)

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measurement
MW600 PRO

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OXY

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CODE NUMBERS AND REFERENCES

Code	Reference	Description
470 200	MW600 Pro	Case with O2 probe and accessories
Accessories		
453 913	0% calibration solution	25 g bag of sodium sulfite for 0% O ₂
470 210	Mi0029	Transport case for MW600
Spare parts		
470 220	MA840 DO	Polarographic probe for MW600 – 4-meter cable
470 221	MA841	Set of 5 replacement membranes for MW600
470 222	MA9071	Oxygen electrolyte solution (230 mL) for MW600

ALTITUDE AND SALINITY COMPENSATION

Dissolved oxygen varies depending on the temperature, pressure, and salinity of the environment.

Temperature compensation:

The device includes temperature compensation from 0 to 30 °C, ensuring that measurements are automatically corrected within this range. A measurement correction should be considered above 30 °C.

Altitude compensation:

As altitude increases, the saturation level of dissolved oxygen in water decreases.

The MW600 PRO takes measurements referenced to sea level, which means that the displayed values may be higher than the actual ones. Therefore, if measurements are taken at an altitude different from sea level, the readings must be corrected accordingly.

An altitude compensation table is provided in the startup instructions.

Salinity compensation:

The higher the salinity of the water, the lower the solubility of oxygen dissolved in salt water.

If the sample contains salts, the readings must be corrected.

The salinity compensation table is provided with the operating instructions.



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