

OX100 Portable Dissolved Oxygen Meter



The OX100 Dissolved oxygen meter is designed to overcome the traditional problems with field calibration and lack of reliability associated with many DO instruments because the instrument's robust galvanic cell allows rapid in situ calibration in air, with automatic temperature compensation and simultaneous display of temperature.

The probe consumes very little oxygen making it possible to use with a minimal flow of water, it can be stored dry and is provided with a 3 metre cable.

Key Features & Benefits

Automatically Compensates Salinity and Barometric Pressure	after manual input for increased accuracy
Independent 100% and Zero Adjustment Calibrations	Ensures high accuracy across entire measurement range
No Meter Warm-up Required with Galvanic Cell	measurements are taken, immediately
Stores and recalls 16 data sets	temperature readings are stored with the data sets
Displays Electrode Diagnosis	gives slope, zero offset and millivolt values to help determine when to service or replace electrode
Ready Indicator	prompts whenever reading stabilizes
Hold Function	momentarily freezes reading for easy viewing and recording
Auto-Power Off	saves battery power after non-use
Self-Diagnostic	with message codes for easy troubleshooting
Large Custom LCD	provides optimum viewing with user-friendly icons
Power with Batteries or Optional AC Adapter	for use in the field or at bench-top with built-in stand

Applications

Aquaculture: Use to monitor oxygen levels in catfish and shrimp farming; game stocking ponds; ornamental fish tanks and ponds; and in other fish farming applications.

Industrial: Ideal for checks the quality of plant water intake and discharge, wastewater and water treatment, re-circulating systems and industrial process systems.

Environmental: Use to test water quality, monitor health of aquatic ecosystems, survey surface and ground water drinking supplies, and meet EPA regulations.

Educational: Ideal for quick, accurate DO readings in laboratories and schools

Specification

Dissolved Oxygen Range	0 to 19.9 mg/l or ppm
Resolution & Accuracy	0.01 mg/l, 0.1 ppm & $\pm 1.5\%$ Full Scale
% Saturation of Oxygen	0.0 to 199.9 %
Resolution & Accuracy	0.1 % & $\pm 1.5\%$ Full Scale
Temperature Range	0.0 to 100.0 °C
Resolution & Accuracy	0.1 °C & ± 0.3 °C
Salinity Correction	0.0 to 50.0 ppt
Barometric Pressure Correction	555 to 808 mm Hg or 74 to 108 kPa
Method	Manual input for automatic correction
No. of Calibration Points	Up to 2 points; 100% in air and/ or 0% in known solution
Memory	16 sets
Special Functions	Averaging/Stability; Self-diagnostic; Electrode characteristics; Hold & Auto-Power Off after 20 minutes
Power Requirements	4 x 1.4V batteries; > 100 hrs or 9VDC power adapter

Ordering Information

Code	Ref	Description
80-3000-63	OX100	OX100 Portable/Mains operated Dissolved Oxygen Meter Including galvanic cell with 3m cable

For Spares and electrodes – Please refer to our Electrochemistry Ordering Guide.

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