



CyberScan Series 100

Dissolved Oxygen



CyberScan DO 100 Meter
mg/l / ppm / % / °C



- Microprocessor Based
- Salinity Compensation Up To 50.0 ppt
- Automatic Temperature Compensation
- Manual Pressure Compensation
- User Customizable Functions
- Stores/Recalls 16 Data Sets
- Self Diagnostic Messages
- Rugged And Long-lasting Submersible DO Probe
- Large, Easy-to-read Display



The CyberScan DO 100 Dissolved Oxygen meter is equipped with an Application Specific Integrated Circuit (ASIC). The ASIC micro-processor provides many advanced features that offer users flexibility through customizable setup functions, while maintaining a user-friendly interface.

USER CUSTOMIZATION

The CyberScan DO 100 allows for customization by the discerning user. Functions include: • READY • Auto-off • mg/l or % mode • Temperature compensation • Barometric pressure • Salinity correction • Electrode diagnosis • Memory

CONCENTRATION OR % MODE

At the push of a button, the DO 100 meter switches measurement mode from mg/l or ppm to % saturation with the corresponding temperature.

PRESSURE AND SALINITY COMPENSATION

Barometric pressure and salinity value can be keyed manually into the setup option. This gives flexibility for the meter to be used in different locations and different types of solution. Compensation is automatic thus eliminating the need for cumbersome charts.

MEMORY

Up to 16 sets of data can be stored in a non-volatile memory which prevents data loss even when meter is powered off.

EASY-TO-READ DISPLAY

The large LCD (Liquid Crystal Display) shows both primary (dissolved oxygen) and secondary (temperature) values measured, complete with mode and measurement units. Graphic symbols and error message codes provide user comprehensive information for easy and trouble-free operation.

Specifications: CyberScan DO 100 Dissolved Oxygen Meter

Dissolved Oxygen	Range	0.00 - 20.00 mg/l or ppm
	Resolution	0.01 mg/l ; 0.01 ppm
	Accuracy	±1.5% of full scale
% Saturation Of Oxygen	Range	0.0 - 200.0%
	Resolution	0.1%
	Accuracy	±1.5% of full scale
Temperature	Range	0.0 - 50.0 °C
	Resolution	0.1 °C
	Accuracy	± 0.3 °C
Salinity Correction	Range	0.0 - 50.0 ppt
	Resolution	0.1 ppt
	Method	Manual input and automatic correction
Barometric Pressure Correction	Range	555 to 808 mm Hg or 74 to 108 kPa
	Resolution	1 mm Hg or 0.1 kPa
	Method	Manual input and automatic correction
Probe	Galvanic	
Response Time	40 seconds to achieve 93% of the reading	
No. Of Calibration Points	Single point at 100% (in saturated air) or in air saturated water	
Memory	16	
Hold Function	Yes	
Auto-Off	Selectable	
Display	Custom LCD	
Power Requirements	4 'AAA' batteries ; AC/DC adapter 9V, 500 mA	
Battery Life	> 50 hours	
Temperature Compensation	Automatic	
Operating Range	0 to 50 °C	
Dimension / Weight	Meter: 18 x 9 x 4cm ; 220g	
	Boxed: 24 x 23 x 7cm ; 600g	



- 1 Large customized LCD
- 2 Hinge
- 3 Multi-unit probe
- 4 Splash-proof keypad



ELECTRODE WITH BUILT-IN TEMPERATURE SENSOR

Galvanic cell allows instantaneous measurements without waiting for the probe to be polarised as is the case with amperometric electrodes. The rugged galvanic electrode is optimised for quick response and is able to withstand the rigours of portable use. It requires little or no maintenance and has a built-in automatic temperature compensator. Includes an integral 3 metre waterproof cable.

ELECTRODE DIAGNOSIS

Condition of electrode can be viewed through the setup menu, making it easy for user to check on the accuracy of readings.

INNOVATIVE DESIGN

Eutech hand-held meters are ergonomically designed for one-hand field operation and include a sturdy hinge for bench top measurements. Connections for the probe and optional AC adapter can be easily accessed.

WARRANTY

Eutech Instruments warrants its meters free from manufacturing defects for 3 years and electrode for 6 months.

ORDERING INFORMATION

Order No.	Item
EC-DO100/01	CyberScan DO 100 meter with electrode, EC-DOHANDY
EC-DOHANDY	Submersible dissolved oxygen electrode with 3-metre cable (17 x 2.3cm)
EC-POUCH-02	Carrying pouch for meter
EC-DOHDYKTNEW	DO probe maintenance kit

Distributed By:

The CyberScan series are registered under U.S. Patent #354,921. Patents outside U.S. are pending.
 Note: We reserve the right to make changes, improvements and modifications to products shown.