



# CyberScan Series 110

Dissolved Oxygen



**CyberScan DO 110 Meter**  
mg/l / ppm / % / °C / °F



- Stores/Recalls 100 Data Sets
- °C/°F Read Out
- Salinity Compensation Up To 50.0 ppt
- Rugged And Long-lasting Submersible DO Probe
- Automatic Temperature Compensation



- 1 Large customised LCD
- 2 Hinge
- 3 Galvanic probe



The CyberScan DO 110 Dissolved Oxygen meter is equipped with an Application Specific Integrated Circuit (ASIC). The ASIC microprocessor provides many advanced features that offer users flexibility through customisable setup functions, while maintaining a user-friendly interface.

#### USER CUSTOMISATION

The CyberScan DO 110 allows customisation by the discerning user. Functions include: • READY • Auto-off • mg/l or % mode • Temperature compensation • Barometric pressure • Salinity correction • Electrode diagnosis • Memory • °C/°F.

#### CONCENTRATION OR % MODE

At the push of a button, the DO 110 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 100 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.

#### 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 or 8 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 Instruments hand-held meters are ergonomically designed for 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 electrodes for 6 months.

#### Specifications: CyberScan DO 110 Dissolved Oxygen Meter

<b>Dissolved Oxygen</b>	Range	0.00 - 19.99 mg/l or ppm
	Resolution	0.01 mg/l ; 0.01 ppm
	Accuracy	±1.5% of full scale
<b>% Saturation Of Oxygen</b>	Range	0.0 - 199.9%
	Resolution	0.1%
	Accuracy	±1.5% of full scale
<b>Meter Temperature</b>	Range	-10 to 110 °C (14-230.0 °F)
	Resolution	0.1 °C / 0.1 °F (14 to 199.9 °F); 1.0 °F (200 to 230 °F)
	Accuracy	± 0.5 °C (± 0.9 °F)
<b>Salinity Correction</b>	Range	0.0 - 50.0 ppt
	Resolution	0.1 ppt
	Method	Manual input and automatic correction
<b>Barometric Pressure Correction</b>	Range	500 to 1499 mm Hg or 66.6 to 199.9 kPa
	Resolution	1 mm Hg or 0.1 kPa
	Method	Manual input and automatic correction
Probe	Galvanic	
Probe Operating Range	0 to 50 °C	
Response Time	40 seconds to achieve 93% of the reading	
No. Of Calibration Points	One or two point at 0 % (Zero solution) and/or 100% (in saturated air) or in air saturated water	
Memory	100	
Hold Function	Yes	
Auto-Off	Selectable	
Display	Custom LCD	
Power Requirements	4 'AAA' batteries; AC/DC adapter 9V, 50 mA	
Battery Life	> 200 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	

#### ORDERING INFORMATION

Order No.	Item
EC-D0110/01	CyberScan DO 110 meter with 3 meter electrode, ECDOHANDYNEW
EC-D0110/01K	CyberScan DO 110 meter with 3 meter electrode, ECDOHANDYNEW and EC-WPDRYKIT
EC-D0110/02K	CyberScan DO 110 meter with 8 meter electrode and EC-WPDRYKIT
EC-DOHANDYNEW	Submersible dissolved oxygen electrode with 3-metre cable (17 x 2.3cm)
EC-POUCH-02	Carrying pouch for meter
01X241603	Membrane & O-Ring (Pack of 5)
15X241402	Assembled Membrane Cap Housing
15X241502	Membrane Removal Tool
15X241504	Electrode Guard Removal Tool
01X211226	DO Refilling Electrolyte (60 ml)

Note: We reserve the right to make changes, improvements and modifications to products shown.

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