



EcoScan DO 6 Meter

- Reads in mg/l, ppm and % Saturation
- Microprocessor Based
- User Customisation
- Automatic Temperature Compensation
- Barometric Pressure and Salinity Compensation
- Compact yet rugged Galvanic DO probe with no Polarisation time required

EcoScan DO 6 Meter

mg/l / ppm / % / °C





Eutech Instruments' EcoScan DO 6 meter is based on proprietary Application Specific Integrated Circuit (ASIC) design and uses a new low cost 12mm diameter galvanic DO probe that is easy to use. This compact meter is ideal for indoor and outdoor applications.

USER CUSTOMISATION

The EcoScan DO 6 Dissolved Oxygen meter allows for customisation by the discerning user. Functions include: Auto-off; % saturation; mg/l or ppm mode; temperature compensation; barometric pressure & salinity correction; electrode diagnosis; user reset and restore to factory defaults.

% SATURATION OR CONCENTRATION MODE

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

PRESSURE AND SALINITY COMPENSATION

Barometric pressure and salinity value can be manually input in the meter. The meter automatically takes care of the necessary compensation, thus eliminating the need for cumbersome charts.

EASE IN CALIBRATION

100% or 0% saturation calibration is easy at the press of a button. mg/l or ppm calibration can also be performed using a known oxygen concentration solution or reference DO meter.

GALVANIC ELECTRODE WITH BUILT-IN TEMPERATURE SENSOR

Galvanic cell technology allows instantaneous measurements without waiting for the probe to be polarised as in the case with amperometric electrodes. The rugged galvanic electrode is optimised for stable response and is able to withstand the rigours of portable use. It requires little or no maintenance and has a built-in sensor for automatic temperature compensation. Maintenance is easy with a pre-membraned cap.

ELECTRODE DIAGNOSIS

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

INNOVATIVE DESIGN

The EcoScan DO 6 meter is ergonomically designed for convenient one-hand field operation. The ribbed body ensures firm grip preventing meter from slipping off during operation. A rubber boot is included to protect the meter from damage due to accidental knocks. A sturdy hinge at the back of the boot allows easy bench-top viewing.

RUGGED, ALL-WEATHER CARRYING CASE

A custom-built rugged carrying case provides compact and convenient storage of meter, electrode, refilling solutions and accessories, helpful for field testing.

WARRANTY

Eutech Instruments warrants its meter free from manufacturing defects for 3 years and its probes for 6 months.

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

Specifications: EcoScan DO 6

% Saturation of Oxygen	Range	0.0 to 200.0 %
	Resolution	0.1%
	Accuracy	±1.5% of full scale
Dissolved Oxygen	Range	0.00 to 20.00 mg/l or ppm
	Resolution	0.01 mg/l or ppm
	Accuracy	±1.5% of full scale
Temperature	Range	-5.0 to 105.0 °C
	Resolution	0.1° C
	Accuracy	±0.5 °C
Salinity Correction	Range	0.0 to 50.0 ppt
	Resolution	0.1 ppt
	Method	Automatic correction after manual input
Barometric Pressure Correction	Range	500 to 1499 mm Hg or 66.6 to 199.9 kPa
	Resolution	1 mm Hg or 0.1 kPa
	Method	Automatic correction after manual input
Temperature Compensation	Automatic / Manual from 0.0 to 50.0 °C	
Operating Range	0 to 50°C	
Probe	Galvanic	
Response Time	60 seconds to achieve 95% of the reading	
HOLD function	Yes	
Auto-off function	Selectable (20 minutes after last key press)	
Display	Custom Single 4 Digit LCD	
Inputs	BNC for DO & 2.5mm phono for temperature	
Power Requirements	4 'AAA' Batteries	
Battery Life	> 700 hours (alkaline batteries)	
Dimension / Weight	Meter	14 (L) x 7 (W) x 3.5 (H) cm; 200g
	Probe	115 (L) x 12 (dia) mm with 1-meter cable
	Case	27 x 35 x 7.5 cm ; 1.7kg

ORDERING INFORMATION

Order No.	Item
EC-DO601K	EcoScan DO 6 dissolved oxygen portable meter with galvanic DO probe (EC-DO6HANDY) and carrying case
EC-DO6HANDY	Galvanic dissolved oxygen probe for EcoScan DO 6 meter (L: 115mm x Dia: 12mm) with 1-meter cable, 10 ml bottle of refilling electrolyte and spare pre-membraned housing cap
01X211226	DO probe refilling electrolyte solution 50 ml
01X241608	Pre-membraned housing cap for EC-DO6HANDY

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