



- Modern and functional housing
- Waterproof (IP65 / IP67)
- Convenient adjustment at the touch of a button
- Long-life and maintenance-free sensor
- 3-line display / overhead display at the push of a button
- Backlight
- Robust, long battery life
- Hold-function to freeze measured values
- Min/Max-Funktion für minimal und maximal erfasste Messwerte
- Made in Germany

Family Datasheet

ECO 531

Precisely solved oxygen meter

DESCRIPTION

The oximeter with the maintenance-friendly galvanic sensor is an entry-level device suitable for everyday use, both concentration in mg / l (ppm) and saturation in percent can be read off directly without using tables.

The adjustment takes place at the push of a button in ambient air. For field use in bodies of water, the use of a GSKA protective cap is recommended to protect the membrane.

Display

Thanks to the backlight, the three-line LCD display offers ergonomic wide-angle visibility - by day and by night.

The HOLD function enables the display values to be frozen.

Power supply

2 powerful AA batteries, the energy-saving design and the configurable automatic switch-off function ensure long operation.

Configurable LCD backlight for further energy saving options.



ECO 531 Sensor

TECHNICAL DATA

Measurement specifications

	ECO531
Measuring range	0.0 to 20.0 mg / l (or ppm) O2 concentration 0 to 200 % O2 saturation
Accuracy	For oxygen: ± 1.5 % of MW ± 0.2 mg / l or ± 1.5 % of MW ± 2 % O2 saturation
Application area	Freshwater and seawater aquariums, aquaculture / fish farming, monitoring of wells and bodies of water
Sensors / measuring inputs	Galvanic sensor (active membrane type), electrolyte KOH Cable 2 m or 4 m, permanently connected to device, with integrated temperature sensor
Response time t_{95}	10 s at nominal temperature
Area of application sensor	max. 3 bar (~30 m water depth) 0 to 40 °C

Family Datasheet

ECO 531

Precisely solved oxygen meter

General specifications

Display	3-line with battery status indicator, Backlight, protected by shatterproof screen, overhead display at the push of a button
Power supply	2 x AA-Alkaline batteries (scope of delivery)
Power consumption	< 1 mA
Battery life	> 3000 h typ. continuous operation (without backlight)
Automatic Power-Off	Yes, configurable by the user
Operating conditions	-20 ... +50 °C (recommended 5..30 °C); 0 ... 95 % r.h. (short-term condensation possible)
Storage temperature	-20 to 50 °C (without batteries)
Schutzart	IP65 / IP67
Dimensions	108 x 54 x 28 mm
Weight	approx 240 g (including sensor)
Housing	break-proof ABS, polyester (front panel)

Scope of delivery

- Hand-held measuring device with fixed sensor
- Replacement membrane cap GWOK02
- Replacement electrolyte KOH100
- 2xAA batteries
- Manual
- Additional accessories depending on Set-Option

ORDERING CODES

ECO531		
Waterproof dissolved oxygen meter (DO) with sensor (earlier G 1610)		
1	Cable length	
	-	Waterproof dissolved oxygen meter (DO) with sensor, Cable length 2 m
	-L04	Waterproof dissolved oxygen meter (DO) with sensor, cable length 4 m
	-L10	Waterproof dissolved oxygen meter (DO) with sensor, cable length 10 m

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Precisely solved oxygen meter

Standard-Articles

ECO531	Waterproof handheld for dissolved oxygen incl sensor Scope of delivery: Device incl. sensor, manual, 2 x battery, spare membrane cap GWOK 02, electrolyte KOH	Art.Nr. 486765
ECO531-1002	Waterproof handheld for dissolved oxygen incl. Sensor Scope of delivery: Device incl. sensor, manual, 2 x battery, spare membrane cap GWOK 02, electrolyte KOH, case GKK 1002	Art.Nr. 487065
ECO531-L04	Waterproof handheld for dissolved oxygen incl. Sensor Scope of delivery: Device incl. Sensor 4 m, manual, 2 x battery, spare membrane cap GWOK 02, electrolyte KOH	Art.Nr. 487066
ECO531-L10	Waterproof handheld for dissolved oxygen incl. Sensor Scope of delivery: Device incl. Sensor 10 m, manual, 2 x battery, spare membrane cap GWOK 02, electrolyte KOH	Art.Nr. 487067

Accessories

Replacement parts:

GB-AA-2	Replacement batteries 2x AA	Art.-Nr. 600704
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Weiteres Zubehör:

G1000-Cover	Rubber protection case, incl. 2 magnets	Art.-Nr. 483958
ST-G1000	Protection bag, leather	Art.-Nr. 611373
GCLIP1000	Metal belt clip, adhesive	Art.-Nr. 475820
G1000-BASE	Tabler stand and wall suspension	Art.-Nr. 481885
GKK1000	Case	Art.-Nr. 611603

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