

Product Information

G 1610

Dissolved Oxygen Measuring Device G 1610



- Made in Germany
- Modern and functional housing
- Outstanding price/performance ratio
- Waterproof (IP65 / IP67)
- 3-line display / overhead display at the push of a button
- Backlighting
- Durable, long battery life
- Incl. galvanic oxygen sensor with temperature measurement
- Hold function for freezing measured values
- Min/Max function for minimum and maximum recorded measured value

Features

The primary focus in the development of the new G 1000 series was placed on the essential functions of the measurement technology. Pure measurement with a focus on precision, speed and reliability and compact packaging enable an impressive price/performance ratio.

The devices also have impressive ergonomics, dust and water protection according to IP 65/67 and display backlighting.

The G 1610 is an intelligent oxygen measuring device for fishery, fish breeding, aquarium, aquaculture and well water measurement applications.

Technical data

Measuring range	: 0.0..20.0 mg/l (or ppm) O ₂ concentration
Resolution	: 0..200 % O ₂ saturation
Accuracy	
Oxygen	: ±1.5 % of measurem. Value ± 0,2 mg/l or ±1.5 % of meas. val. ± 2 % O ₂ saturation
Temperature	: ±0.3 °C
Sensors / meas. inputs:	Galvanic sensor (active membrane type), KOH electrolyte 2 m or 4 m cable, permanently connected to the device, with integrated temperature sensor
Activation time T ₉₅	: 10 s at nominal temperature
Sensor oper. pressure	: max. 3 bar (~30 m water depth)
Sensor range of appl.	: 0..60 °C
min. flow	: 30 cm/s (in standing water by stirring or moving the sensor up and down)

Compensation

Temperature	: automatically with integrated temperature measurement
Air pressure	: Compensation possible with manual input (normally not necessary)
Salinity	: with manual entry
Display	: 3-line unit with battery status indicator, background light, protected by an unbreakable pane, overhead display at the push of a button
Operation	: 4 long-lasting, easy-to-operate buttons

Additional functions

: Stability recognition, automatic adjustment to environmental air

Environment

Display unit	: -20.. +50 °C, 0..95 % r.H.
Power supply	: 2x AA battery, >3000 h battery life
Ingress protection	: IP65 / IP67
Housing	: Break-proof ABS housing
Dimensions	: 108 x 54 x 28 mm (H x W x T) without sensor
Weight	: approx. 240 g (device incl. sensor)



Sensor with optional membrane protection GSKA 3600

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Scope of delivery

- Dust-proof and waterproof handheld measuring device according to IP 65/67
- Permanently connected measuring cell:
Type GWO 5610, membrane-covered oxygen sensor
- Spare electrolyte KOH 100
- Spare membrane cap GWOK 02
- 2x AA battery
- Operating manual

Ordering code

G 1610 -

1.	Option
	Device with fixed sensor 2 m: GWO5610-L02
L04	Device with fixed sensor 4 m: GWO5610-L04
SET02	Device with fixed sensor 2 m: GWO5610-L02 and case GKK 1002

ST-G1000 (article no. 611373)

Device protection bag with 1 round cut-out

GB AA (article no. 610049)

Spare battery AA (2 batteries required)

Case:

GKK 1001 (article no. 611604)

Recess for device and ample room for accessories (395x295x106 mm)

GKK 1002 (article no. 411907)

With recesses for a device with sensor of G1400/G1500/G1600 series. Additional recess for temperature sensor GF1T (235 x 185 x 48 mm)

GKK 1003 (article no. 411917)

With recesses for 2 devices with sensor of G1400/G1500/G1600 series. Additional recess for temperature sensor GF1T and 2 PHL buffer and accessories (450 x 360 x 106 mm)

- Additional accessories on request or in our catalogue

Accessories

GWOK 02 (article no. 608012)

Spare membrane head

KOH 100 (article no. 603356)

Spare electrolyte 100 ml

GSKA 3600 (article no. 601414)

PVC protective cap, sinking, for use in still bodies of water



GSKA 3610 (article no. 607267)

Red brass protective cap, salt water resistant, sinking fast, also suitable for use with greater depths or with a flow



GCAL 3610 (article no. 611371)

Calibration bottle

