

PRECISE SOLVED OXYGEN MEASURING DEVICES (DO)



ROBUST AND GOOD VALUE



HIGHLIGHTS:

- Modern and functional housing
- 3-line display / overhead display at the push of a button
- Backlit
- Waterproof (IP65 / IP67)
- Robust, long battery life
- Including galvanic oxygen sensor
- Easy air calibration at the push of a button



SUCCESSOR OF GOX 20

GSKA 3600 mounted on the sensor

**G 1610**

Item No. 610003

Waterproof dissolved oxygen meter (DO) with sensor, Cable 2 m

**G 1610-4**

Item No. 408380

Waterproof dissolved oxygen meter (DO) with sensor, Cable 4 m

**GENERAL:**

When developing the new G 1000 series, the focus was consciously on the essential functions of the measurement technology. Pure measurement with a focus on precision, speed and reliability, packaged in a compact housing, enables the outstanding price/performance ratio, Made in Germany.

The new portable instruments also have an impressive ergonomic design, are dust- and water-proof to IP 65/67, and feature a backlit display.

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.

**APPLICATION:**

Fresh and sea water aquariums, aquaculture / fish farming, monitoring of wells and bodies of water

**TECHNICAL SPECIFICATIONS:**

**Measuring range / resolution:** 0.0..20.0 mg/l (or ppm) O<sub>2</sub> concentration 0..200 % O<sub>2</sub> saturation

**accuracy**

**Oxygen:** ± 1.5 % of meas. Mean ± 0.2 mg/l or ± 1.5 % of meas. MW ± 2 % O<sub>2</sub> saturation

**Temperature:** ± 0.3 °C

**Sensors / measuring inputs:** Galvanic sensor (active membrane type), electrolyte KOH Cable 2 m or 4 m, permanently connected to the device, with integrated temperature sensor

**Response time T<sub>95</sub>:** 10 s at nominal temperature

**Operating pressure sensor:** max. 3 bar (~ 30 m water depth)

**Area of application sensor:** 0..40 °C

**Compensation**

**Temperature:** automatically via integrated temperature measurement

**Air pressure:** Compensation possible via manual input (usually not required)

**Salinity:** by manual entry

**Display:** 3-line with battery level indicator, backlit, protected by break-resistant glass, overhead display at the push of a button

**Service:** 4 durable, easy-to-use buttons

**Additional functions:** Stability detection, automatic adjustment to ambient air

**Environment display device:** -20 .. + 50 °C, 0.95 % RH

**Power supply:** 2 x AA batteries, > 3000 h battery life

**Protection class:** IP65 / IP67

**Housing:** break-proof ABS housing

**Dimensions:** 108 x 54 x 28 mm (H x W x D) without sensor

**Weight:** approx. 240 g (device including sensor)

**Scope of delivery:** Device, sensor, replacement membrane cap GWOK02 and replacement electrolyte KOH 100, 2 x batteries, operating instructions

**ACCESSORIES OR SPARE PARTS:**

**GWOK 02**

Item No. 608012

Spare membrane head for GWO 5610

**KOH 100**

Item No. 603356

KOH spare electrolyte, 100 ml

**GSKA 3600**

Item No. 607214

Protective cap for depth measurement for sensors Ø 12 mm

**GSKA 3610**

Item No. 607267

Protective cap for depth measurement for sensors Ø 12 mm

**GCAL 3610**

Item No. 611371

Calibration bottle for gel. Oxygen sensors with Ø 12 mm

**ST-G1000**

Item No. 611373

G 1000 protective bag made of Nappa leather, a universal cutout for sensors, belt clip

**GB AA**

Item No: 610049

Replacement battery Mignon (AA) 1.5 V (2 pieces are required)

**GKK 1002**

Item No. 411907

Case for G1000 series water analysis small

**GKK 1003**

Item No. 411917

Case for 2x G1000 series water analysis and 2x PHLx 450 x 360 x 106 mm (W x H x D)



**G 1610-1002**

Item No. 474287

Waterproof dissolved oxygen meter (DO) with sensor Device with permanently connected sensor 2 m: GWO5610-L02 and case GKK 1002