

## PRECISE DISSOLVED OXYGEN MEASURING DEVICES (DO)



DURABLE AND AFFORDABLE



## HIGHLIGHTS:

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

**G 1610**

Art. no. 610003

Waterproof dissolved oxygen measuring device (DO) with sensor, 2 m cable

**G 1610-4**

Art. no. 408380

Waterproof dissolved oxygen measuring device (DO) with sensor, 4 m cable

**General:**

The primary focus in the development of the new GMH 1000 series was placed on the essential functions of the measurement technology. Pure measurement with a focus on precision, speed and reliability packaged in a compact housing distinguish an impressive price/performance ratio. Made in Germany.

The new handheld measuring devices also impress with their ergonomic design, dust and water-protected design in accordance with IP 65/67 and the illuminated display. The Oxymeter with maintenance-friendly galvanised sensor is an entry-level device suitable for everyday use. Concentrations in mg/l (ppm) and saturation in percentage can be read directly without using tables.

Calibration with environmental air takes place at the push of a button. Use of a GSKA protective cap is recommended for field use in bodies of water in order to protect the membrane.

**Application:**

Freshwater and salt water aquariums, aquaculture/fish breeding, monitoring of wells and bodies of water

**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 m.v. ±0.2 mg/l or ±1,5 % of m.v. ±2 % O<sub>2</sub> saturation

**Temperature:** ±0.3 °C

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

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

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

**Sensor range of application:** 0 ... 40 °C

**Compensation**

**Temperature:** automatic 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

**Display unit environment:** -20 ... +50 °C, 0 ... 95 % RH

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

**Protection rating:** IP65 / IP67

**Housing:** Break-proof ABS housing

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

**Weight:** 240 g (device incl. sensor)

**Scope of supply:** Device, sensor, GWOK O2 spare membrane cap and KOH 100 spare electrolyte, 2 x battery, manual

**Accessories and spare parts:****GWOK 02**

Art. no. 608012

Spare membrane cap

**KOH 100**

Art. no. 603356

Spare electrolyte 100 ml

**GSKA 3600**

Art. no. 601414

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

**GSKA 3610**

Art. no. 607267

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

**GCAL 3610**

Art. no. 611371

Kalibrierflasche

**ST-G1000**

Art. no. 611373

Device protection bag with 1 round cut-out

**GB AA**

Art.-Nr: 610049

Spare battery AA (2 batteries required)

GSKA 3600 mounted on the sensor

