

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 handheld for dissolved oxygen incl. sensor, 2 m cable

G 1610-4

Art. no. 408380

Waterproof handheld for dissolved oxygen incl. 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) O₂ concentration
0 ... 200 % O₂ saturation

Accuracy

Oxygen: ±1,5 % of m.v. ±0.2 mg/l or ±1,5 % of m.v. ±2 % O₂ 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 T₉₅: 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: approx. 240 g (device incl. sensor)

Scope of supply: Device, sensor, GWOK 02 spare membrane cap and KOH 100 spare electrolyte, 2 x battery, manual

Accessories and spare parts:**GWOK 02**

Art. no. 608012

Spare membrane head for GWO 5610

KOH 100

Art. no. 603356

spare electrolyte KOH 100 ml

GSKA 3600

Art. no. 601414

Protection hat for depth measuring for sensors Ø 12 mm, PVC

GSKA 3610

Art. no. 607267

Protection hat for depth measuring for sensors Ø 12 mm, red brass

GCAL 3610

Art. no. 611371

Calibration vessel for dissolved oxygen sensors with Ø 12 mm

ST-G1000

Art. no. 611373

Device protection bag with 1 round cut-out

GB AA

Art.-Nr: 610049

Spare battery Mignon (AA) 1,5 V (2 batteries required)

GKK 1002

Art. no. 411907

Case G1000 series water analysis small

GKK 1003

Art. 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**

Art. no. 474287

Waterproof handheld for dissolved oxygen incl. sensor

Device with fix mounted sensor 4 m: GWO5610-L02 and case GKK 1002