



STANDARD-FUNCTIONS:



HIGHLIGHTS:

- Automatic air pressure compensation
- Salinity correction
- Simple calibration in atmospheric air

ADDITIONAL FUNCTIONS GMH 3651:



**MEAS. UNITS: O₂-CONCENTRATION
O₂-SATURATION
AND O₂-PARTIAL PRESSURE (GMH3651 ONLY)**

Handheld Measuring device..... with Sensor with ... m cable length

GMH 3611

Product-ID: 605922

Oxygen measuring device incl. oxygen electrode, with 4 m cable

GMH 3651

Product-ID: 605924

Oxygen measuring device incl. oxygen electrode with data logger, with 4 m cable

Specifications:	
Measuring ranges: (device)	
O₂-concentration:	0.00 ... 70.00 mg/l (ppm) (resolution selectable)
O₂-saturation:	0.0 ... 600.0 % O ₂ (resolution selectable)
O₂-partial pressure:	3651: 0 ... 1200 hPa O ₂ (0.0 ... 427.5 mmHg)
Temperature:	0.0 ... 50.0 °C
Pressure:	3611: 10 ... 1200 hPa abs. 3651: 10 ... 11000 hPa abs. or 0 ... 100.0 m water column* (with pressure port)
Accuracy: (at nominal temperature = 25 °C)	
Oxygen:	±1.5 % of m.v. ±0.2 mg/l (0 ... 25 mg/l) or ±2.5 % of m.v. ±0.3 mg/l (25 ... 70 mg/l)
Temperature:	± 0.1 °C ± 1 digit
Pressure:	± 0.5 % FS ± 1 digit ±3 hPa or 0.1 % of m.v. ±2 hPa (750 ... 1100 hPa)
Sensor connection:	6-pin screened Mini-DIN-socket
Sensor:	Active membrane type. Electrode-Ø front: approx. 12 mm, overall length: approx. 220 mm, anti buckling glanding, neck collar: Ø approx. 20 mm, 4 m connection cable with Mini-DIN-plug
Response time:	95 % in 10 s, depends on temperature
Operation life:	approx. 3 years, depends on maintenance
Working temperature:	0 ... +40 °C
Working pressure:	max. 3 bar Operating pressure sensor GWO 3600 max. 3000 hPa rel. or 4000 hPa pay attention to abs.!
Flow rate:	min. 30 cm/s
Display:	2 x 4 digit LCDs (12.4 / 7 mm high)

Interface:	serial interface, direct connection to RS232 or USB interface of a PC via electrically isolated interface converter.
Power supply:	9 V-battery as well as additional d.c. connector for external 10.5-12 V direct voltage supply. (suitable power pack: GNG10/3000)
Power consumption:	approx. 0.6 mA, approx. 500 h
Housing dimensions:	142 x 71 x 26 mm (H x W x D) impact-resistant ABS, front side IP65, integrated pop-up clip for table top or suspended use.
Weight:	approx. 300 g (incl. battery and probe)
Scope of supply:	Device incl. electrode, GWOK01 and KOH electrolyte.

Additional functions:	
Temperature compensation:	automatic via temperature sensor integrated in electrode.
Air pressure compensation:	automatic via integrated pressure sensor. Display of current air pressure.
Correction of salinity:	automatic. salinity value can be set via keyboard from 0.0 ... 70.0
Calibration:	1-point calibration: extremely simple quick calibration in atmospheric air. additional at GMH 3651: 2- and 3-point-calibration
Calibration interval:	The device asks for a recalibration after a selectable time period (1 - 365 days or inactive). GMH 3651: additional calibration history
Analog output (GMH 3651 only):	0 -1 V, freely adjustable
Alarm (GMH 3651 only):	2 Alarm (O ₂ and temperature) with separate alarm limits, Alarm horn / visual / interface
Data logger (GMH 3651 only):	cyclic: 10.000 data sets, manual: 1.000 data sets (with measuring point input, 40 adjustable measuring point texts or measuring point numbers)
* There is the possibility for hydrostatic depth measurements with special accessories (upon request / pressure connection). This allows in combination with the logger function e.g. comfortable recordings of oxygen profiles in waters.	

Variants:	
GMH 3611-L10	Product-ID: 606233 Device GMH 3611 with Sensor with 10 m cable length
GMH 3611-L30	Product-ID: 607086 Device GMH 3611 with Sensor with 30 m cable length
GMH 3651-L10	Product-ID: 606105 Device GMH 3651 with Sensor with 10 m cable length
GMH 3651-L30	Product-ID: 606106 Device GMH 3651 with Sensor with 30 m cable length
Accessories and spare parts:	
GMH 3611-GL	Product-ID: 606310 Oxygen measuring device without accessories
GMH 3651-GL	Product-ID: 606312 Oxygen measuring device without accessories
GWO 3600-L04	Product-ID: 603895 Spare sensor with 4 m cable
GWO 3600-L10	Product-ID: 603258 Spare sensor with 10 m cable
GWO 3600-L30	Product-ID: 603259 Spare sensor with 30 m cable
GWOK 01	Product-ID: 601411 spare diaphragm head
GAS 3600	Product-ID: 603497 Working set (consisting of 3 spare diaphragm heads and 100 ml KOH-electrolyte)
GSKA 3600	Product-ID: 601414 PVC protection cap
GSKA 3610	Product-ID: 607267 Protection cap for depth measurement brass with hole for an attachment to carabiners / rope
KOH 100	Product-ID: 603356 Spare electrolyte 100 ml



NEW!