

Oxygen measuring devices for dissolved oxygen in liquids



STANDARD-FUNCTIONS:



HIGHLIGHTS:

- Automatic air pressure compensation
- Salinity correction
- Extremely small measuring probe
- Serial interface
- Simple calibration in atmospheric air

ADDITIONAL FUNCTIONS GMH 3651:



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

GMH 3611

Oxygen measuring device incl. oxygen electrode

GMH 3651

Oxygen measuring device incl. oxygen electrode with data logger

Specification:	
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
Electrode:	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 temp.:	0 ... +40 °C
Working pressure:	max. 3 bar
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.



FUNCTIONS:



GOX 20

Oxygen measuring device, operative, incl. oxygen probe and battery

Specification:	
Measuring range:	
Temperature:	0.0 ... 40.0 °C
Oxygen:	0.0 ... 20.0 mg/l O ₂
Resolution:	
Temperature:	0.1 °C
Oxygen:	0.1 mg/l O ₂
Accuracy: (at nominal temperature = 25 °C) ±1 digit	
Temperature:	±0.3 °C (in range 0-30 °C)
Oxygen:	±2 % o. m.w. ±0.2 mg/l
Electrode:	active diaphragm type. Electrode-Ø front: approx. 12 mm, length: approx. 170 mm, connecting cable approx. 2 m permanently connected to device.
Response time:	95 % in 10 s, depending on temperature.
Operation life:	approx. 3 years or more depending on maintenance
Operation pressure:	max. 3 bar
Temperature compensation:	automatically via temperature sensor integrated in electrode
Calibration:	simple quick-calibration in atmospheric air
Display:	3½-digit LCD display, 13 mm high
Working temperature:	0 ... 50 °C
Power supply:	9 V -Battery, included
Power consumption:	max. 1 mA
Dimensions:	106 x 67 x 30 mm (H x W x D), impact-resistant ABS housing
Weight:	approx. 250 g (ready for use)
Scope of supply:	device incl. electrode, GWOK01 and KOH electrolyte

Options:

- electrode with 10 m cable
- electrode with 30 m cable

Accessories and spare parts:

- GSKA 3600**
protection cap for depth measuring
- GWOK 01**
spare diaphragm head
- GKN 3600**
calibration refill set (consisting of 100 ml calibration solution, 10 ml catalytic solution, measuring pipette)

GAS 3600

Working set (consisting of 3 spare diaphragm heads and 100 ml KOH-electrolyte)

GWO 3600

Spare electrode with 4 m cable

KOH 100

Spare electrolyte 100 ml