

Oxygen measuring devices for dissolved oxygen in liquids



- Double display for oxygen and temperature
- Meas. units: O₂-concentration, O₂-saturation and O₂-partial pressure (GMH3630 only)
- Automatic air pressure compensation
- Salinity correction
- Extremely small measuring probe
- Min./Max. value memory, Hold function
- Serial interface
- Battery and d.c. operation
- Simple calibration in atmospheric air

GMH 3610 incl. oxygen electrode

GMH 3630 incl. oxygen electrode

Difference between GMH3630 and GMH3610:

Additional features of GMH3630:

- Measuring of air pressure by means of integrated pressure sensor

- Extended measuring range for O₂
- O₂-partial pressure measurement
- Correction of salinity

Specification :

Measuring ranges:

O₂-concentration:

3610: 0,0 ... 25,0 mg/l
3630: 0,0 ... 70,0 mg/l / 0,00 ... 25,00 mg/l

O₂-saturation:

3610: 0 ... 300 %
3630: 0 ... 600 % or 0,0 ... 250,0 %

O₂-partial pres.:

3630: 0 ... 1200 hPa or 0,0 ... 570,0 hPa
(0,0 ... 427,5 mmHg / 0 ... 900 mmHg)

Temperature:

3610 / 3630: 0,0 ... 50,0 °C

Pressure:

3630: 500 ... 1100 hPa abs.

Accuracy: (at nominal temperature = 25°C)

Oxygen:

3610: ±1,5% of m.v. ±0.2 mg/l
3630: ±1,5% of m.v. ±0.2 mg/l (0...25mg/l)
±2,5% of m.v. ±0.3 mg/l (25...70mg/l)

Temperature:

±0,1°C ±1digit

Pressure:

±0,5% FS ±1digit

Sensor connection:

6-pin screened Mini-DIN-socket.

Electrode:

active membrane type. Electrode-Ø front: approx. 12mm, 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 10sec., dep. on temperature.

Operation life:

approx. 3 years or more, dep. on maintenance

Working temp.:

0 to +40°C

Working pressure:

max. 3 bar

Flow rate:

min. 30 cm/sec.

Display: 2x 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.

General Functions:

Min-/Max-value memory, Hold function, Auto-Off-Function, Low battery warning
Power supply: 9V-battery, type IEC 6F22 (included) as well as additional d.c. connector for external 10.5-12V direct voltage supply. (suitable power pack: GNG10/3000)

Power consumption: approx. 3 mA

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)

Temperature compensation: automatic via temperature sensor integrated in electrode.

Air pressure compensation:

3610: enter current air pressure via keyboard
3630: automatic via integrated pressure sensor. Display of current air pressure.

Correction of salinity (3630): autom. salinity value can be set via keyboard from 0,0 ... 70,0

Calibration: 1-point calibration: extremely simple quick calibration in atmospheric air.

2-point calibration (GMH3630 only): first point at atmospheric air, second point at upper measuring range (with calibration set GKS3600).

Scope of supply: device incl. electrode, GWOK01 and KOH electrolyte



GOX 20

Device incl. oxygen probe

Specification:

Measuring range:

Temperature: 0.0 ... 40.0 °C
Oxygen: 0.0 ... 20.0 mg/l O₂

Resolution:

Temperature: 0.1 °C
Oxygen: 0.1 mg/l O₂

Accuracy: (at 25°C) ±1digit

Temperature: ±0.3°C (range 0-30°C)
Oxygen: ±2% of m.v. ±0.2 mg/l

Electrode:

active diaphragm type. Electrode-Ø front: approx. 12mm, length: approx. 170mm, connecting cable approx. 2 m permanently connected to device.

Response time:

95% in 10sec., depending on temperature approx. 3 years or more dependant on maintenance

Operation life:

Operation pressure:

max. 3 bar automatically via temperature sensor integrated in electrode

Calibration:

simple quick-calibration in atmospheric air

Display:

3½-digit LCD display, 13mm high

Working temperature:

0 to 50 °C

Storage temperature:

-5 to 70 °C

Power supply:

9V-battery type IEC 6F22

Power consumption:

max. 1 mA

Low battery warning:

automatic; "BAT"

Dimensions:

106 x 67 x 30 mm, ABS plastic housing

Weight:

approx. 250 g (ready for use)

Scope of supply:

device incl. electrode, GWOK01 and KOH electrolyte

Options (upcharges) / accessories:

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

GSKA 3600

protection cap for depth measuring

GWOK 01 spare diaphragm head

GKS 3600 calibration set (consisting of calibration device, 100 ml calibration solution, 10 ml catalytic solution, measuring pipette and measuring bottle)

GKN 3600 calibration refill set (consisting of 100ml calibration solution, 10ml catalytic solution, meas. pipette)

GAS 3600 Working set (consisting of 3 spare diaphragm heads and 100ml KOH-electrolyte)

KOH 100 Spare electrolyte 100 ml

GWO 3600

Spare electrode with 4 m cable

for add. accessories p.r.t.p. 56 - 58