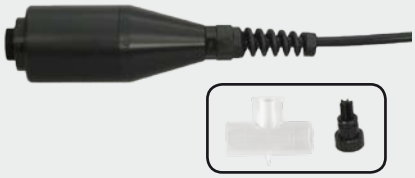
Atmospheric oxygen sensores for devices of the GMH369x series

closed sensor type



- **suitable for under and over pressure**
- **for using in gas-tight systems**

Application:
Suitable for measuring in normal atmosphere and in systems without or with slight under or over pressure. The sensor type features a screw thread and can be built in gas-tight in almost every system directly resp. with tube-adapter

GGO 370

universal applications, diving, O_2 sensor for high CO_2 concentration

open sensor type

- **suitable for air- or gas-stream**
- **quick temperature compensation**

Application:
Because of the special sensor construction the measuring gas streams optimally around the sensor and escapes through holes in the housing into the air. No pressure build-up at slight streaming of the probe, that falsify the result of measurement. Particularly suitable for measuring of gas out of gas-bottle etc. Even measuring indoor-gas concentration is possible.

GOO 370

universal applications, diving, O_2 sensor for high CO_2 concentration

Specification:

	GGO/GOO 370
Application:	**universal applications, diving, CO_2 containing gases**
Specific features:	Stronger membrane, coated electronics temperature compensation
Measuring range:	
Partial oxygen pressure:	0 ... 1100 hPa O_2
Oxygen concentration:	0,0 ... 100,0 % O_2
Temperature:	0,0 ... 45,0 °C
Response time: T_{90}	<10 sec.
Operating conditions:	0 - 45 °C 0 - 95 %RH
Ambient pressure:	0,5 to 2,0 bar abs.
Over-/under-pressure:	max. 0,25 bar (pressure difference sensor membrane to ambient – sensor screwed-in)
Storage temperature:	-15 to +60 °C
Operation life:	approx. two years (warranty for sensor element: 12 months)
Sensor:	GOEL 370 Oxygen-partial pressure probe, mounted in external sensor housing
Connection:	approx. 1,3 m cable with Mini-DIN-plug.
Dimensions of housing:	GGO..: approx. Ø 36 mm x 95 mm (150 mm incl. anti-buckli. glanding), GOO..: approx. Ø 40 mm x 105 mm (160 mm incl. anti-buckl. glanding) Housing with M16 x 1-screw thread (sensor can be connected to line tubes by means of an additional adapter)
Weight:	approx. 135 g (GGO...) or approx. 145 g (GOO...)
Scope of supply:	GGO... : sensor, flow diverter, T-piece GOO... : sensor, flow diverter

Options: (for all types)

cable length 4m
cable length 10m

Spare elements, accessories:

GOEL 370 spare sensor element for replacement by user

GZ-11 flow rate adapter
to measure the oxygen concentration with 6/4 mm tube

ESA 369 spare tube-adapter M16x1, for tubes with a inner-diameter of 15mm NEW

Compact air oxygen meas. device

GOX 100

for universal applications

- 1-Button Calibration
- Automatic Power-Off
- Min-/max- value memory
- Incl. sensor GOEL 370

GOX 100T

for diving applications

- 1-Button Calibration
- MOD-Display (Maximum Operating Depth)
- HOLD function
- Incl. sensor GOEL 370

Specification:

Meas. range: 0,0 ... 100,0 % O_2
Accuracy typ.: ± 0,1 % O_2 ± 1 digit
calibrated device (range from 15 to 40 % O_2)
MOD (GOX 100T)**:** 0 ... 100 m / 0 ... 199 ft
Sensor Connection: jack-connector cable
Sensor: Oxygen-partial pressure probe, mounted in external sensor housing
Warranty: 12 months
Working pressure: 0,5 to 2,0 bar absolute
Over-/under-pressure: max. 0,25 bar
Working temperature: 0 to 45°C (sensor)
-20 to 50°C (device)
Relative humidity: 0 to +95%RH
Power supply: 9V battery type IEC 6F22
Power consumption: approx. 120µA (over 2500 h)
Display: 3½-digit, 13mm high LCD-display
Housing: ABS-enclosure, front side IP65
Dimensions: approx. 106 x 67 x 30 mm
Weight: approx. 185g
Features: **BAT, Auto-Power-Off**

Scope of supply:
Device incl. sensor, T-piece, flow diverter

Options:

- LACK encapsulated PC board
(for applications where condensation is possible)

Spare peaces, accessories:

GOEL 370 spare sensor
ESA 369 spare tube-adapter
ZOT 369 spare T-piece
GKK 252 case (235 x 185 x 48 mm)
with foam lining

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