Residual oxygen measuring device

GMH 3692 GOG-H
Residual oxygen measuring device for universal use

GMH 3692 GOG-L
Residual oxygen measuring device for low oxigen-concentrations with fast response time

Application:

If delicate products are conserved at low-oxygen atmospheres (protective gas), these measuring devices will provide a vital check of the residual oxygen content.
- packaging industry
- food industry

Specification:

Sensor elements:	- H: GOEL 370	- L: GOEL 380
Measuring range (hPa O_2):	- H: 0 ... 1100	- L: 0 ... 300
Measuring range (% O_2):	- H: 0.0 ... 100.0	- L: 0.0 ... 25.0
Response time: T_{90}	- H: <10 s	- L: <5 s
Accuracy: *(whole system - if careful calibration and measuring)*		
1-point-calibration:	±0.2 % O_2 ±1 digit (for concentrations < 10 %)	
2-point-calibration:	±0.1 % O_2 ±1 digit (for concentrations < 10 %)	
Oxygen sensor:	Oxygen partial pressure sensor, built in external sensor housing	
Operation life:	12 month warranty for sensor element (if appropriate application and ambient pressure)	
Working pressure:	0.5 ... 2.0 bar abs.	
Over- / under- pressure:	max. 0.25 bar (pressure difference)	
Power supply:	9 V battery	
Dimensions case:	approx. 394 x 294 x 106 mm	
Weight:	approx. 1400 g (cpl. set)	
Scope of supply:	Device GMH3692, hand pump with air tube, GOG oxygen sensor with penetration needle, case GKK 3500, spare needle Ø 0.9 mm, rubber foam sticker (40 pieces), battery, operating manual.	

for additional technical data refer to GMH3692 and corresponding sensors on page 54/55

Accessories and spare parts:

GOG-SET H
Set without instrument
Scope of supply: GOG oxygen sensor (GOEL 370) with penetration needle, hand pump with air tube, case GKK 3500, spare needle and 40 rubber foam stickers

GOG-SET L
Set without instrument
Scope of supply: GOG oxygen sensor (GOEL 380) with penetration needle, hand pump with air tube, case GKK 3500, spare needle and 40 rubber foam stickers

GOEL 370
Spare sensor element, universal applications, diving, longlife

GOEL 380
Spare sensor element, for low oxigen-concentration, fast response time

GOG-N
Needle, Ø 0.9 mm (5 pieces)

GOG-A
rubber foam sticker (40 pieces)

Compact air oxygen measuring device

WK

FUNCTIONS:

AUTO OFF

BAT

GOX 100
for universal applications

Description:
- 1-button calibration
- Automatic power-off
- Min-/max- value memory
- Incl. sensor GOEL 370

Note: not for under water use (Rebreathers)

GOX 100T
for diving applications

Description:
- 1-button calibration
- MOD-Display (Maximum Operating Depth)
- HOLD function
- Incl. sensor GOEL 370

Note: not for under water use (Rebreathers)

Specification:

Measuring range:	0.0 ... 100.0 % O_2
Accuracy typ.:	±0.1 % O_2 ±1 digit, calibrated device (range from 15 ... 40 % O_2)
MOD (GOX 100T):	0 ... 100 m / 0 ... 199 ft
Sensor Connection:	0.7 m jack-connector cable
Sensor	Oxygen-partial pressure probe, mounted in external sensor housing
Warranty:	12 months
Working pressure:	0.5 ... 2.0 bar abs.
Over-/under-pressure:	max. 0.25 bar (pressure difference)
Working temperature:	0 ... 45 °C (sensor), -20 ... 50 °C (device)
Relative humidity:	0 ... 95 % RH
Power supply:	9 V battery
Power consumption:	approx. 120 µA (over 2500 h)
Display:	3½-digit, 13 mm high LCD-display
Housing:	ABS-enclosure, front side IP65
Dimensions:	approx. 106 x 67 x 30 mm (H x W x D)
Weight:	approx. 185 g
Scope of supply:	Device incl. sensor, tube-adaper, t-piece, battery

Option:

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

Accessories and spare parts:

GOEL 370
Spare sensor element, universal applications, diving, longlife

GOEL 380
Spare sensor element, for low oxigen-concentration, fast response time

ESA 369
spare tube-adapter

ZOT 369
spare T-piece