

ATMOSPHERIC OXYGEN SENSORES FOR GMH 569X AND GMH 369X

CLOSED SENSOR TYPE GGO



CLOSED



CLOSED SENSOR TYPE WITH PRESSURE CONNECTION GGA

FOR DEVICES WITH
PRESSURE CONNECTION**GGO 581**

Art. no. 610029

For low oxygen concentrations, suitable for GMH 569x

GGO 570

Art. no. 607480

Universal application, diving gas, longlife, suitable for GMH 569x

GGO 381

Art. no. 610030

For low oxygen concentrations, suitable for GMH 369x

GGO 370

Art. no. 601224

Universal applications, diving, longlife, suitable for GMH 369x

General:

- 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-adaptor.

longer cable length 4 m and 10 m on demand

GGA 581

Art. no. 610031

For low oxygen concentrations, with pressure connection, suitable for GMH 569x

GGA 570

Art. no. 607486

Universal application, diving gas, longlife, with pressure connection, suitable for GMH 569x

GGA 381

Art. no. 610032

For low oxygen concentrations, with pressure connection, suitable for GMH 369x

GGA 370

Art. no. 607484

Universal application, diving gas, longlife, with pressure connection, suitable for GMH 369x

General:

For devices with external pressure port (GMH 5695 / 3695) is this housing optimal. Especially for systems with high or low pressure or with existing back pressure by flow.

Application:

It can be screwed airtight (Attention: Observe permissible operating pressure!). The device-pressure port is connected to the sensor pressure port. The device measures and compensates for the actual pressure at the sensor.

longer cable length 4 m and 10 m on demand

OPEN SENSOR TYPE GOO



OPEN

**GOO 581**

Art. no. 610033

For low oxygen concentrations, suitable for GMH 569x

GOO 570

Art. no. 607482

Universal application, diving gas, longlife, suitable for GMH 569x

GOO 381

Art. no. 610034

for low oxygen-concentration, suitable for GMH 369x

GOO 370

Art. no. 601228

universal applications, diving, longlife, suitable for GMH 369x

General:

- 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.

longer cable length 4 m and 10 m on demand

Specifications:	GGA/GGO/GOO 570/370	GGA/GGO/GOO 581/381
Sensor element:	GOEL 370	GOEL 381
	Oxygen-partial pressure probe, mounted in external sensor housing replaceable (temperature sensor mounted in housing)	
Specific features:	Long service life For protective gases with a high O ₂ concentration and oxygen content <35 vol.% O ₂	for the lowest O ₂ concentrations For protective gases, in general, precise and very small measurements and above 35 vol.% O ₂
Measuring range:		
Partial oxygen pressure:	0 ... 1100 hPa O ₂	0 ... 1100 hPa O ₂
Oxygen concentration:	0.0 ... 100.0 % O ₂	0.0 ... 100.0 % O ₂
Response time: T₉₀	<10 s	<10 s
Accuracy (at 25 °C, 1013 hPa)		<1.5 % O ₂
<2 % O ₂	±0.2 % O ₂	±0.1 % O ₂
<25 % O ₂	±0.5 % O ₂	±0.5 % O ₂
>25 % O ₂	±0.5 % O ₂	no information
Operating conditions:	0 ... 45 °C 0 ... 95 % RH (non condensing)	0 ... 45 °C 0 ... 95 % RH (non condensing)
Ambient pressure:	0.6 ... 1.75 bar abs.	
Over-/under-pressure:	max. 0.25 bar (pressure difference sensor membrane to ambient - sensor screwed-in)	
Storage temperature:	-15 ... +60 °C	
Operation life:	on air: >4 years (warranty for sensor element: 12 months)	on air: >2 years (warranty for sensor element: 12 months)
Connection:	GGA/GGO/GOO 3...: approx. 1.2 m cable with Mini-DIN-plug. GGA/GGO/GOO 5...: approx. 1 m cable with 7-pole bayonet connector	
Dimensions of housing:	GGA...: approx. Ø 36 mm x 95 mm (150 mm incl. anti-buckl. glanding), GGO...: approx. Ø 36 mm x 95 mm (150 mm incl. anti-buckl. 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.../GGA...)	
Scope of supply:	GGA.../GGO...: sensor, flow diverter, T-piece GOO...: sensor, flow diverter	

Note: not suited for „under water“-applications (rebreather, etc.)