

ГАЗОАНАЛИЗАТОРЫ ОХУ 3690MP, 3610MP

ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ

По вопросам продаж и поддержки обращайтесь:

Архангельск (8182)63-90-72	Калининград (4012)72-03-81	Нижний Новгород (831)429-08-12	Смоленск (4812)29-41-54
Астана +7(7172)727-132	Калуга (4842)92-23-67	Новокузнецк (3843)20-46-81	Сочи (862)225-72-31
Белгород (4722)40-23-64	Кемерово (3842)65-04-62	Новосибирск (383)227-86-73	Ставрополь (8652)20-65-13
Брянск (4832)59-03-52	Киров (8332)68-02-04	Орел (4862)44-53-42	Тверь (4822)63-31-35
Владивосток (423)249-28-31	Краснодар (861)203-40-90	Оренбург (3532)37-68-04	Томск (3822)98-41-53
Волгоград (844)278-03-48	Красноярск (391)204-63-61	Пенза (8412)22-31-16	Тула (4872)74-02-29
Вологда (8172)26-41-59	Курск (4712)77-13-04	Пермь (342)205-81-47	Тюмень (3452)66-21-18
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Иваново (4932)77-34-06	Москва (495)268-04-70	Самара (846)206-03-16	Челябинск (351)202-03-61
Ижевск (3412)26-03-58	Мурманск (8152)59-64-93	Санкт-Петербург (812)309-46-40	Череповец (8202)49-02-64
Казань (843)206-01-48	Набережные Челны (8552)20-53-41	Саратов (845)249-38-78	Ярославль (4852)69-52-93

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Air Oxygen Transmitter incl. Electrode OXY 3690 MP



- O₂-sensor element exchangeable
- Appropriate to air with high CO₂-concentrations
- Input electrically isolated

Characteristics

The OXY 3690 MP measures the oxygen concentration in air. Depending on the selected design type the device is appropriate to either pure oxygen (i.e. low CO₂ concentration) or to air with very high CO₂ concentration.

Technical data

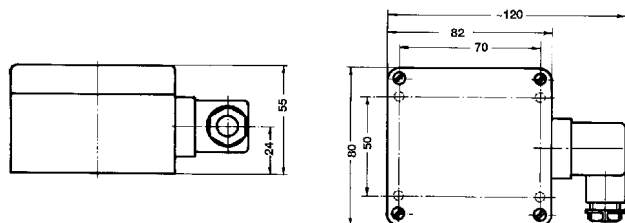
Measuring range	
Oxygen concentration	: 0.0..100.0 % O ₂
Temperature	: -20.0..+50.0 °C
Accuracy (transmitter)	at 20.9 % O ₂ , 1000 mbar abs.
Oxygen	: ±0.1 % ± 1 digit
Temperature	: ±0.1 °C ± 1 digit
Output signal (only O ₂)	: 4..20 mA (2-wire) 0..10 V (3-wire)
Electrical isolation	: input electrically isolated
Working temperature	: 0..50 °C
Power supply	: 12..30 V DC at 4..20 mA 18..30 V DC at 0..10 V
Permissible impedance	: R _A [Ω] = (U _V [V] - 12 V) / 0.02 mA
Permissible load	: R _L > 3000 Ω
Reverse voltage protect.	: 50 V permanent
Display	: 10 mm high, 4-digit LCD display
Electric connection	: elbow-type plug (EN 175301-803/A), max. wire cross-section: 1.5 mm ² , wire diameter from 4.5..7.0 mm
Sensor connection	: 5-pole screw-able diode socket
Calibration	: 1-point-calibration at atmospheric air
Air pressure compensat.	: 500..2000 hPa abs., manual input
Over- / under-pressure	: max. 0.25 bar
Housing	: ABS

O₂-sensor element

	GOEL 370
Measuring range	0.0..100.0 % O ₂
Response time T ₉₀	< 10 s
Application	for air or pure oxygen or for air or air with high CO ₂ -concentration
	GOEL 380
Measuring range	0.0..25.0 % O ₂
Response time T ₉₀	< 5 s
Application	for air with little CO ₂ -concentration, response time shoots

Temp. compensation	: integrated in oxygen sensor
Connection cable	: 1.3 m with 5-pole screw-able diode plug
Working pressure	: 500..2000 hPa (static) for air or gas inflow option GOO (oxygen probe GOO ... / MU) is needed

Dimensions



Measuring probe	: Ø 40 x 103 mm (153 mm incl. bend protection)
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Ordering code

OXY3690MP - - - -

1. 2. 3. 4.

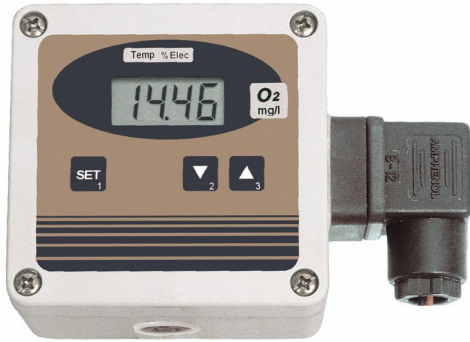
1. O₂-sensor element	
0	GOEL 370 for air and pure oxygen
1	GOEL 380
2. Sensor design	
GGO	closed sensor design (suited for over- and under- pressure, used at gas-tight systems)
GOO	open sensor design (e.g. suitable for air or gas inflow, pressure cannot be built up)
3. Output signal	
A1	4..20 mA (2-wire)
V2	0..10 V (3-wire)
4. Cable length	
L01	1.3 m cable
L10	10 m cable

Ordering example: OXY3690MP-0-GGO-A1-L01

Accessories / Spare parts

GOEL 370

Transmitter incl. Electrode for Dissolved Oxygen in Liquids OXY 3610 MP



- O₂-electrode exchangeable
- Electrode: active diaphragm type with integrated NTC resistance
- Input electrically isolated

Characteristics

The OXY 3610 MP measures the oxygen concentration in liquids. The device can be used in aquaristics, fish farming as well as for the measurement of spring water and well water.

Technical data

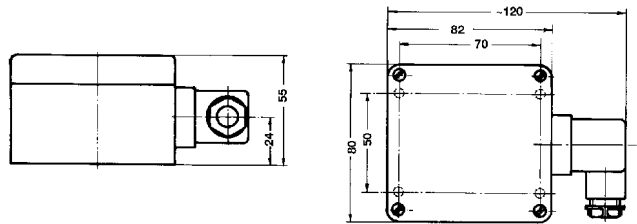
Measuring range
 Oxygen concentration : 0.00..25.00 mg/l (solved)
 Temperature : 0.0..50.0 °C
 Accuracy (transmitter)
 Oxygen : ±1.5 % of meas. value ±0.2 mg/l
 Temperature : ±0.1 °C ±1 digit
 Output signal (only O₂) : 4..20 mA (2-wire)
 0..10 V (3-wire)
 Electrical isolation : input electrically isolated
 Working temperature : 0..50 °C
 Power supply : 12..30 V DC at 4..20 mA
 18..30 V DC at 0..10 V
 Permissible impedance : $R_A [\Omega] = (U_V [V] - 12 V) / 0.02 \text{ mA}$
 Permissible load : $R_L > 3000 \Omega$
 Reverse voltage protect.: 50 V permanent
 Display : 10 mm high, 4-digit LCD-display
 Electric connection : elbow-type plug (EN 175301-803/A),
 max. wire cross-section: 1,5 mm²,
 wire diameter from 4.5..7.0 mm

Sensor connection : 5-pole screw-able diode socket
 Calibration : 1-point-calibration at atmospheric air
 Housing : ABS

O₂-electrode (GWO 3600 MU)

Electrode : active diaphragm type with integrated NTC resistance
 Response time : 95 % in 10 s, depending on temperature
 Working pressure : max. 3 bar
 Inflow velocity : min. 30 cm/s
 Connection cable : 4 m with 5-pole screw-able diode plug

Dimensions



Oxygen probe : diameter Ø: 12.0 ±0.2 mm
 installation length: 110 mm
 overall length: 220 mm incl. bend protection

Ordering code

OXY3610MP - 1. - 2.

1. Output signal	
A1	4..20 mA (2-wire)
V2	0..10 V (3-wire)
2. Cable length	
L04	4 m cable
L10	10 m cable
L30	30 m cable

Ordering example:
 OXY3610MP-A1-L04

Accessories / Spare parts

GWO 3600 MU

Spare electrode with 4 m cable

GSKA 3600

Protection cab for measuring in great depths

GWOK 01

Spare diaphragm head

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