

Optical oxygen converter



HIGHLIGHTS:

- Two 4 ... 20 mA (or 0 ... 5 V) outputs: concentration and saturation
- Fully pressure and temperature compensated
- Calibration in many applications once per year!
- No flow required

GODOX-200-ST

Art. no. 608019

Optical oxygen transmitter for universal applications, stainless steel

GODOX-200-PS

Art. no. 608020

Optical oxygen transmitter for continuous measurements in salt water

General:

The oxygen transmitter GODOX-200 is a robust measuring system for the low-maintenance continuous use. Compared to electrochemical sensors, it comes without electrolyte, measured with a fluorescence-maturity method. Together with the complete data preparation including automatic ambient pressure and temperature compensation it provides a free package for continuous measurements. Measurement in depth up to 30 m is possible. The life of the replaceable measuring membrane is generally 2 years.

Specifications:

Measuring ranges (both can be used simultaneously)

Oxygen concentration:	0 ... 20 mg/l (=ppm)	
Oxygen saturation:	0 ... 200 % O ₂	
Output signal:	4 ... 20 mA or 0 ... 5 V respectively (changeable)	
Accuracy:	±0.1 mg/l less than 1 mg/l, ±0.2 mg/l more than 1 mg/l	
Response time T₉₀:	<30 s	
Operating temperature:	0 ... 65 °C	
Supply:	5 ... 15 V DC, approx. 160 mA	

Material

Housing:	PVC / stainless steel, option „marine“: PVC
Diaphragm:	PET

Dimensions sensor

Length:	225 mm length
Mounting length:	70.5 mm
Diameter:	42.1 mm
Mounting diameter:	28.0 mm
Process connection:	1" NPT front / rear (others on request)

Connection

Loose cable ends:	No color	description
	1 red	supply +
	2 black	supply -
	3 green	output O ₂ concentration
	4 white	output O ₂ saturation

Cable length: 5 m

Scope of supply: Transmitter (consisting of sensor body and evaluation, connected via cable), storage cap

Option:

- Cable length 10 m
- Cable length 15 m
- Cable length 30 m

Accessories and spare parts:

- GSKA 200**
Art. no. 607992
Metal cap steel (Mechanical protection / browsing protection)
- EMS 200**
Art. no. 607990
Spare membrane head-Set
- GNG 12/300**
Art. no. 600274
Power Supply



pH-measuring transducer with on site display

HIGHLIGHTS:

- automatically and manually temperatur compensation
- external Pt1000-temperature probe connectable

WITH ELECTRICALLY ISOLATION



GPHU 014 MP-BNC

Art. no. 601985

pH-measuring transducer with on site display without electrode, BNC-connection

GPHU 014 MP-Cinch

Art. no. 601989

pH-measuring transducer with on site display without electrode, Cinch-connection

Specifications:

Measuring range:	0.00 ... 14.00 pH
Accuracy:	0.02 pH ±1 digit (at nominal temperature = 25 °C)
Output signal:	4 ... 20 mA (2-wire), standard; 0 ... 10 V (3-wire), upon upcharge
Electric isolation:	input electrically isolated
Hilfsenergie:	12 ... 30 V DC (bei Option 0-10 V: 18 ... 30 V DC)
Perm. impedance (at 4 ... 20 mA):	R _A [Ω] ≤ (U _v [V] - 12 V) / 0.02 A
Permissible load (at 0 ... 10 Volt):	R _L >3000 Ω
Electrode:	any standard pH electrode is suitable (not in scope of supply)
Input resistance:	10 ¹² Ohm
Electrode socket:	BNC-socket or Cinch-socket
Temperature compensation:	-30 ... +150 °C, manually via 3 keys or automatically via external Pt1000 sensor, banana plug
Adjustment:	via 3 keys and integrated LCD
Temp. sensor socket:	2 x banana socket Ø 4 mm, for Pt1000 probe
Display:	approx. 10 mm high, 4-digit LCD-display
Working temperature:	0 ... +50 °C (electronic)
Storage temperature:	-20 ... +70 °C
Electric connection:	elbow-type plug acc. to EN 175301-803/A (IP65)
Housing:	ABS (IP65), with the exception of electrode and temperature connection sockets. (cpl. IP65 upon request)
Dimensions:	82 x 80 x 55 mm (H x W x D)
Mounting:	with fixing holes for wall mounting (accessible after removal of cover), Mounting distance: 70 x 50 mm (W x H) Fixing screws: max. shaft-Ø 4 mm

Options:

- V2:** Output signal 0 ... 10 V
- MB...:** limited measuring range (please state the desired range) (i.e.: 2.00 ... 10.00 pH)

Accessories and spare parts:

- GTF 2000-B-WD**
Art. no. 601884
Water proof Pt1000-temperature probe, with 2 banana plugs Ø 4 mm
- GE 100-BNC**
Art. no. 600704
Standard electrode, BNC-plug (thread adapter PG 13.5 optional available)
- GE 100-Cinch**
Art. no. 600702
Standard electrode, Cinch-plug (thread adapter PG 13.5 optional available)
- GE 117-BNC**
Art. no. 600730
pH electrode with integrated Pt1000-sensor, 1 x BNC-plug and 1 x banana plug Ø 4 mm, thread PG13.5, pressure resistant up to 6 bar
- GE 173-BNC**
Art. no. 600735
Process electrode for continuous operation, with thread PG 13.5, pressure resistant up to 6 bar, BNC-plug
- GE 173-Cinch**
Art. no. 600734
Process electrode for continuous operation, with thread PG 13.5, pressure resistant up to 6 bar, Cinch-plug
- GAK 1400**
Art. no. 603523
working and calibration set (p.r.t. page 53)

for add. electrodes and accessories p.r.t. p. 55/56, Pt1000 probes p.r.t. page 14/15 and from 188.