

Product Information

GODOX 200

Optical oxygen measuring transducer GODOX 200



Standard version – ST (with storage bottle)



Salt water version – PS (with storage bottle)

- Low-maintenance optical measuring without electrolyte
- No flow required
- Two 4-20 mA (or 0-5V, switchable) outputs: concentration and saturation
- Full pressure and temperature compensation
- Salt water correction de/activatable
- Low-maintenance and durable
- Calibration only 1 time per year in many applications!
- Easily replaceable membrane heads

Features

The GODOX 200 oxygen measuring transducer is a durable measuring system for low-maintenance continuous use in water. In comparison with electrochemical sensors, it is provided without electrolyte, making it significantly more operationally stable and uncomplicated. Problems associated with flow are completely eliminated as a result!

Measurement takes place with a fluorescence run time method. Together with the complete data preparation, including automatic environmental pressure, temperature and activatable salt water compensation, it is a worry-free package for permanent measurement applications.

Measurement is possible to a maximum depth of 30 m.

The service life of the easily replaceable measuring membrane is normally 2 years.

The PS version is produced entirely in PVC and permanently resistant to salt water.

Technical data

Measuring ranges

(both can be used simultaneously)

- Oxygen concentration : 0..20 mg/l (=ppm)
- Oxygen saturation : 0..200 % O₂
- Output signal : 4..20mA or 0..5V (switchable)
- Accuracy : ±0.1 mg/l below 1 mg/l
±0.2 mg/l above 1 mg/l
- Response time T90 : <30 seconds

- Operating temperature : 0..65 °C
- Max. pressure : 3 bar or 30 m water column
- Protection rating**
- Evaluation electronics : IP40 (ensure adequate weather protection with outdoor use)

- Power supply : 5..16 V DC, max. 160mA

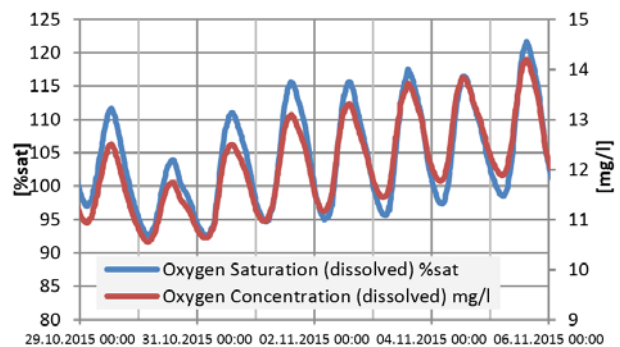
Material

- Housing
- Standard version –ST : PVC/stainless steel
- Salt water version –PS : PVC
- Membrane : PET

Sensor dimensions

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

Data evaluation with data logger connected



„Sonniger Herbst am Fluss Regen in Regenstauf“

Connections

Loose cable ends:

No	Colour	Description
1	red	Power supply +
2	black	Power supply -, GND signal
3	green	O ₂ concentration signal
4	white	O ₂ saturation signal

Product Information

Ordering code

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GODOX 200 - - -

1. Version	
ST	Standard, PVC/stainless steel
PS	Permanent salt water compatible, PVC
2. Cable length	
L05	5 m
L10	10 m
L15	15 m
L30	30 m
3. Second analogue output	
00	O ₂ saturation, standard
T	Temperature

Scope of delivery

- Measuring transducer, comprising sensor body and evaluation electronics, connected by cable
- Storage cap

Accessories

- **GSKA 200** (article no. 607992)
Stainless steel protective cap
(mechanical protection / protection from animals)
- **EMS 200** (article no. 607990)
Spare membrane head set
- **Power supply: Mains adapter GNG 12/300**
(article no. 600274)