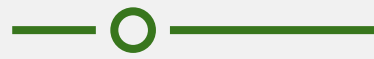


brochure

oxysense



Dissolved oxygen sensor



aquatorn

heatation

Description

oxysense measures dissolved oxygen (DO) using an optical sensing layer and light-based signal detection. Designed for continuous monitoring, it provides stable measurements with low maintenance requirements.

A typical application for this sensor is monitoring DO in heating/cooling water systems, where the presence of oxygen may increase corrosion risk or indicate air leaking into the system.



Product features

- Real-time monitoring
- Includes temperature compensation
- High accuracy
- Simple operation and high reliability
- Single-body design
- Long service life
- No requirement for liquid velocity
- Unaffected by ions

Technical data

Measuring principle	Fluorescent
Measuring range	0 ... 20 mg/L, 0 ... 50 mg/L
Working pressure	8 bar
Working temperature	-5 ... 60 °C
Accuracy	0,2 mg/L
Resolution	0,01 mg/L
Repeatability	0,05 mg/L
Response time	T90<40S
Stability	Drift < 0.2 mg/L per year
Temperature compensation	Thermal resistance

Electrical data

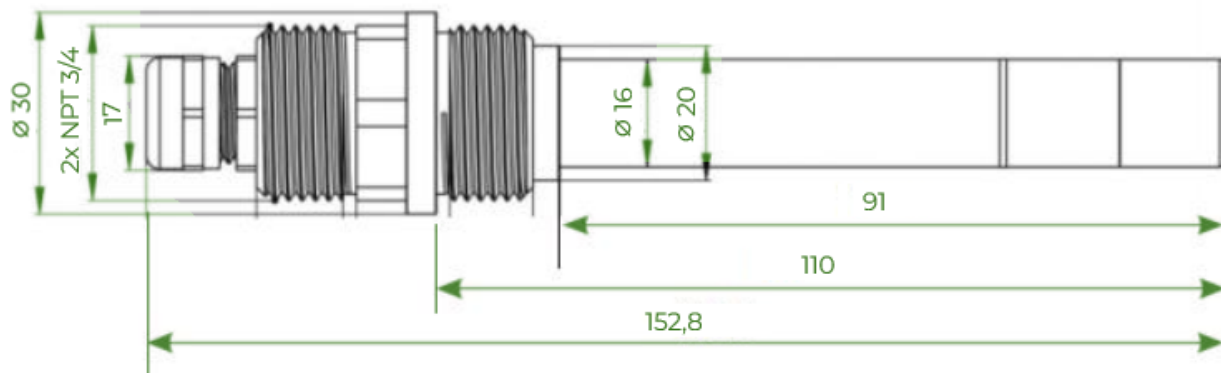
Power supply	7 ... 28 VDC
Power consumption	< 0,2 W
Output	Rs485, 4 ... 20 mA
Protection class	IP68
Cable length	5 m or custom*

* Per request

Mechanical data

Material	Stainless steel 316L
Thread	Lower/upper: NPT 3/4
Installation	Pipe or dip (IP68)
Weight	0.7 kg
Storage temperature	-20 ... 80 °C

Dimensions





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