

Sensor - Oxygen O2S

Optical dissolved oxygen sensor

Short facts:

- Long-term stability due to the optical measurement principle
- Measurement range 0 - 20 mg O₂ per l / 0 - 200 % saturation
- Temperature sensor included
- Minimum of maintenance
- Exchangeable cap
- Ideal for aquaculture applications

Minimal maintenance - reliable oxygen measurements.

The SENECT Oxygen Sensor O2S measures the concentration of dissolved oxygen in water reliable with a minimum of maintenance.

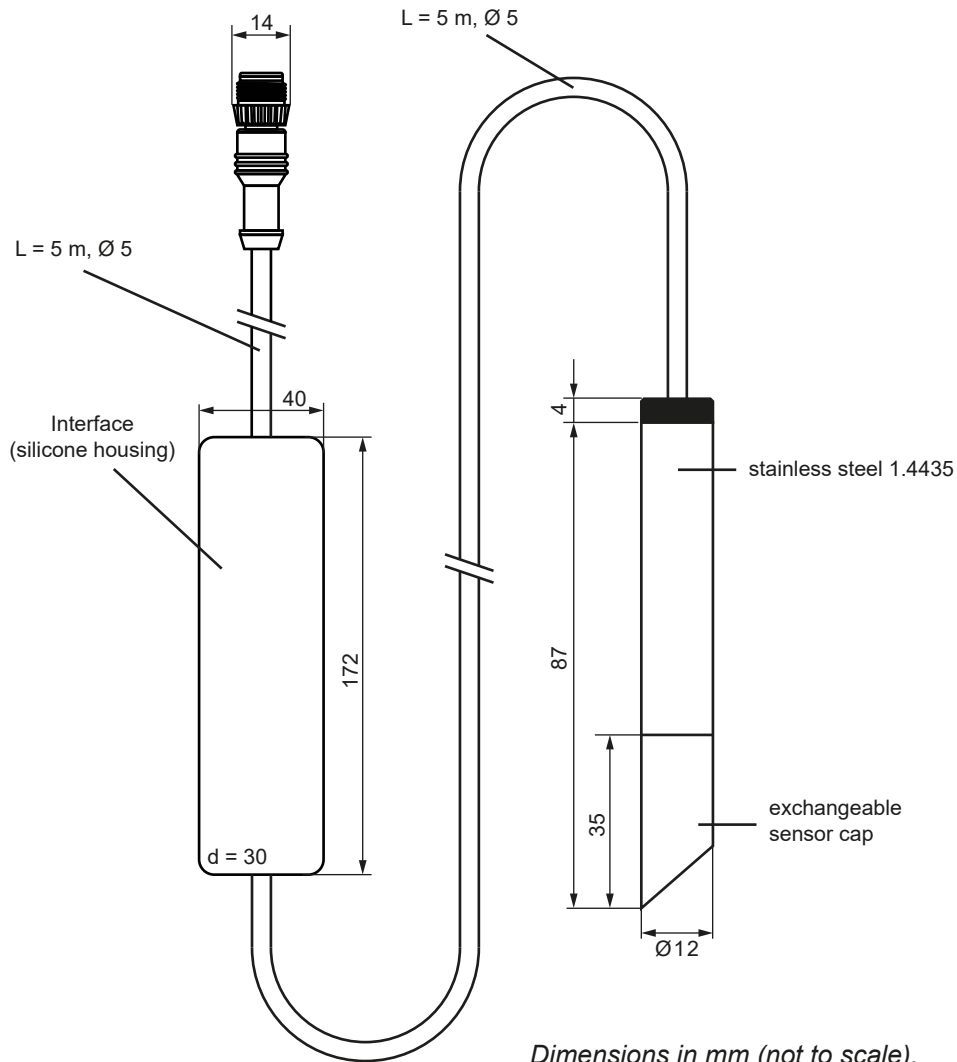
Based on the principle of optical luminescence quenching, the sensor inspires with accurate and long-term stable measurements and does not depend on flow.

Due to optical measurement principle, the sensor does not need to be refilled with consumables and has no expendable parts, except the sensor cap, which can be easily replaced after years of operation.

This makes the SENECT Oxygen Sensor O2S perfectly suitable for many applications, especially for regulation of the oxygen concentration e.g. in aquaculture or for monitoring.

Technical Information	
Dimensions	Ø 12 mm x 94 mm
Material	Stainless steel 1.4435
<u>Measurement range</u> Dissolved Oxygen Temperature	0 - 20 mg O ₂ / l; 0 - 200% a.s. 0° - 40°C
<u>Accuracy</u> Dissolved Oxygen Temperature	< 1% FS < ±1°C
Response time	T ₉₀ < 30 s
Power consumption	< 1 W
Cable length	10 m
Compatibility	with all SENECT Control units
Protection class	IP68

Made in Germany.



DSS O2S001-002 EN Version: 3.0 Status: released, subject to alterations

Art.-No.	Item	Scope of delivery
2100	Sensor - Oxygen O2S	Optical dissolved oxygen sensor incl. transmitter and integrated temperature sensor, manual
2101	O2S - Sensor cap	Exchange sensor cap (consumable, lifetime app. 2 years or >1.000.000 measurements, shelf life >5 years ¹)
2102	O2S - Stainless steel holder	Holder, hanger bolt
2103	O2S - Protective hood	Protective hood

¹ store dry and dark at 20°C

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