

Oxysens



The Oxysens is an electrochemical oxygen sensor designed for applications in water, e.g. wastewater treatment, swimming pools or fish farms. It is easy to maintain, because the membrane and the electrolyte do not need to be replaced.

The response time of the Oxysens is fast, it is almost independent to flow and insensitive to soiling.

Benefits

- ▶ Maintenance-free DO sensor, no change of membrane or electrolyte
- ▶ Robust design
- ▶ Insensitive to soiling
- ▶ Short polarization and response times

Typical applications

- ▶ Water and Wastewater
- ▶ Fish farming



Specifications

Measuring range	40 ppb to 40 ppm (DO)
Response time t _{98%}	< 60 s at 25 °C, from air to nitrogen
Process temperature	0 to 60 °C
Pressure range (relative to ambient)	0 to 4 bar
Electrolyte	Oxylyte
Surface Quality	R _a < 0.8 µm (N6)
Current in air at 25°C	40 to 80 nA
Material	Stainless steel 1.4435
Polarization voltage	-670 mV
O-ring	EPDM

For more specifications see www.hamiltoncompany.com

Ordering Information



	a-length	5 m fixed cable
Oxysens	120	237150

Accessories



- **Immersing Set** Ref 237158
The Immersing Set sheaths and protects 120mm sensors such as Oxysens while immersed in streams or channels.

Housings see page 127