




IDS optical dissolved oxygen sensor



Up-to-date standard compliant oxygen measurement

The most modern type of oxygen measurement: No chemicals, no electrolytes, instead a membrane cap with a special oxygen-selective dye. Measurement without maintenance effort, fast and precise - and recognised as per DIN ISO 17289: 2014-12 as standard method for measurement of dissolved oxygen.

-  **Saves time and money - low-maintenance and fast ($t_{99} < 60s$)**
-  **Flow-free; with chamfered membrane**
-  **Factory-calibrated sensor cap with smart chip**

Precise, flow-free optical IDS dissolved oxygen sensor for field and laboratory use.

- FDO® 925(-P)



Technical specifications and order information: IDS dissolved oxygen sensors

	FDO® 925	FDO® 925-3	FDO® 925-P
Order no.	201300	201301	201306
Method	Optical	Optical	Optical
Response time T_{99} (20 °C)	< 60 s	< 60 s	< 60 s
Measuring range concentration	0.00...20.00 mg/l $\pm 0,5$ % of measured value	0.00...20.00 mg/l $\pm 0,5$ % of measured value	0.00...20.00 mg/l $\pm 0,5$ % of measured value
Measuring range saturation	0.0 ... 200.0 % $\pm 0,5$ % of measured value	0.0 ... 200.0 % $\pm 0,5$ % of measured value	0.0 ... 200.0 % $\pm 0,5$ % of measured value
Measuring range partial pressure	0.0 to 400 hPa ± 0.5 % of measured value	0.0 to 400 hPa ± 0.5 % of measured value	0.0 to 400 hPa ± 0.5 % of measured value
Temperature	0 ... 50.0 °C ± 0.2 °C	0 ... 50.0 °C ± 0.2 °C	0 ... 50.0 °C ± 0.2 °C
Membrane shape	Chamfered	Chamfered	Chamfered
Shaft material	POM, stainless steel	POM, stainless steel	POM, stainless steel
Shaft length	140 mm	140 mm	140 mm
Diameter	15.3 mm	15.3 mm	15.3 mm
Cable length	1.5 m	3 m	1.5 ... 100 m, wireless, pressure-resistant up to 10 bar