

OXI 866 Oxygen Probe



Precision industrial-grade measuring cell for dissolved oxygen with replaceable head.

Measuring method	Amperometric according to Clark
Measuring range	0~20 mg/l
Response time	< 180 sec
Operating pressure	< 0.5 bar
Sample temperature	2~40 °C
Plug	DIN plug or SB plug
Material	PVC
Dimensions	145 mm x 40 mm

Product code 718 030

- Cost-efficient
- Chemically robust
- Probe with long lifetime and exchangeable membrane heads

Method

The sensor head of the OXI 866 contains a gold and a silver electrode and is filled with an electrolyte gel. A gas-permeable membrane covers the tip of the sensor. During measurement oxygen in the sample enters the sensor through the membrane and gets reduced in an electrochemical reaction at the electrodes. This reaction generates a current which is proportional to the amount of oxygen present.

Applications

Wastewater treatment plants
 Drinking water
 Fish farming
 Water monitoring

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