

Aquaculture Fluorescence Dissolved Oxygen Sensor

Introduction

The fluorescence dissolved oxygen sensor is designed for the aquaculture industry. It has the characteristics of stable online monitoring, and it has excellent characteristics compared with the traditional type sensor. It has no membrane, no need electrolyte, strong anti-interference, no need for frequent calibration, no consumption of oxygen, no flow rate limitation, automatic temperature and Gas pressure compensation, fast reaction speed, long service life and more economical and convenient, so the fluorescence dissolved oxygen sensor is the best choice for real-time dynamic monitoring of oxygen content in aquaculture.



Feature

- No membrane, no need electrolyte
- No need to consume oxygen, not affected by flow rate
- Built-in temperature sensor, automatic temperature compensation
- Free from chemical interferences such as sulfides
- Small annual drift, fast response, and more accurate measurement
- Free of maintenance, longer application cycle and lower cost of use
- Fluor cap replacement is simple
- Support RS-485, MODBUS protocol

Technical Specifications

Range	0-20mg/L or 0-200% saturation
Accuracy	±5%
Response Time	3 min
Ip Grade	IP68
Sensor Drift	<1% per year
Operating Temperature	0~50℃
Temperature Accuracy	±0.5℃
Output	RS485, Modbus
Power Supply	DC6-12V ±5%, current<50mA
Temperature Sensor	NTC
Casing Diameter	22mm
Casing Length	188.3mm
Cable Length	Standard 10m, customizable 5m, 15m and 30m
Fluorescent Cap Lifetime	1 year (under normal use)
Casing Material	POM

Dimensions

