

## KWS-450 Optical Fiber Chlorophyll Sensor

### Introduction

KWS-450 chlorophyll sensor adopts leading optical technology, integrated design, efficient power management, solid structure, stable sensor performance, maintenance-free and frequent calibration, and can be used online for a long time. Can be used for research, survey and monitoring of rivers, lakes, ponds, marine surveys, aquaculture, drinking water sources, algae and phytoplankton conditions.

### Feature

- Digital sensor, RS-485 output, support MODBUS.
- With automatic cleaning brush, prevent contamination, eliminate bubbles.
- Direct measurement is more convenient than traditional analysis method
- On-line continuous monitoring, real-time control water quality dynamics

### Technical Specifications

Item	Fiber Chlorophyll Sensor
Model	KWS-450
Principle	fluorescence principle
Measuring Range	0~400ug/L
Resolution	0.1 µg/L
Deepest depth	Underwater 20 meters
Temperature Range	0 ~ 50°C
Output	RS-485 (MODBUS protocol), 4-20mA
Power Supply	DC 12~24V
Power consumption	0.2W@12V
Cable Length	5 m, customizable
Calibration	two-point calibration
Casing Material	Plastic

Note:1. The above technical parameters are the data in the laboratory standard liquid environment;

2. The life of the sensor and the frequency of maintenance and calibration are related to the actual on-site working conditions.

### Dimension

