

On-line Blue-green Algae Sensor

Applications

The on-line blue-green algae sensor adopts the principle of fluorescence method, which is more efficient and faster than the traditional manual counting method and can be monitored online in real time. The sensor has better repeatability and stability. With automatic cleaning brush, can eliminate bubbles, reduce the impact of contamination on the measurement, so that the maintenance cycle is longer, long-term online use can also maintain excellent stability. Can play an early warning function to the algal reproduction.



Characteristic.

- Rs-485 output, support MODBUS
- With an automatic cleaning brush to prevent contamination and eliminate bubbles
- Direct measurement is more convenient than traditional manual counting method
- Online continuous monitoring, real-time control of water quality

Technical Specifications

Module No.	20101894
Range	0—270,000 cells/mL
Principle	Fluorescence Method
Resolution	1 cells/mL
Linearity	$R^2 > 0.999$
The Depth	Under water 10m
Deepest depth	Underwater 20 meters
Working temperature	0 ~ 50°C
Output	Support RS-485, MODBUS protocol
Power Supply	5~12VDC Current < 50mA (Not in cleaning)
Power consumption	<0.5W
Cable length	10 meters, other lengths can be customized

Self-Cleaning Function	Yes
Protection	IP68
Shell material	POM

Outline

