

# Online Multi-Parameter Water Quality Sensor

## Introduction

The 20101891 series of multi-parameter water quality sensors (seven optional parameters) are designed in an all-in-one configuration. Each sensor has a waterproof connector. Calibration data is stored in the sensor for field calibration and replacement. Up to 6 Kacise digital sensors can be connected at the same time, with optional fluorimetry dissolved oxygen, four-electrode conductivity, fiber turbidity, digital pH, digital ORP, chlorophyll and oil in water sensors. Equipped with an automatic cleaning device to eliminate air bubbles and prevent microbial growth, it can easily meet the needs of various water environment monitoring such as rivers, lakes, oceans and groundwater. Extremely reliable, it can run for months without maintenance in an unattended environment.



## Feature

- Digital sensor, RS485 output, support MODBUS
- All calibration parameters are stored in the sensor, each with a waterproof connector for easy insertion and removal.
- Equipped with automatic cleaning device, it can effectively remove the surface contamination of the sensor, prevent the growth of microorganisms, more accurate and lower maintenance.
- Optional fluorimetry dissolved oxygen, four-electrode conductivity, fiber turbidity, digital pH, digital ORP, chlorophyll, water oil and ammonia nitrogen
- Sensor for long-term online monitoring.
- All-in-one structure design, can connect six probes at the same time and measure seven parameters.

## Technical Specifications

<b>Fluorescent dissolved oxygen probe</b>	Range	0-20mg/L	
	Accuracy	±0.3mg/L	
	Resolution	0.01mg/L	
<b>Fiber turbidity probe</b>	Range	0-1000 NTU	
	Accuracy	<5% or 0.3NTU	
	Resolution	0.1NTU	
<b>Four-electrode conductivity probe</b>	Range	1us/cm-200ms/cm	1us/cm-100ms/cm
	Accuracy	1% FS	
	Resolution	0-1000uS/cm; 0.1uS/cm; 1mS/cm-100mS/cm	
<b>Chlorophyll sensor</b>	Range	0~400 ug/L or 0~100RF	
	Accuracy	0.1 µg/L	

	Resolution	0.1 µg/L or 0.1% RFU
<b>Digital pH probe</b>	Range	0-14pH
	Accuracy	±0.1pH
	Resolution	0.01
<b>Digital ORP probe</b>	Range	-999~999mV
	Accuracy	±20mV
	Resolution	1mV
<b>Oil-in-water sensor probe</b>	Range	0-500ppb or 0-5000ppb
	Accuracy	5%
	Resolution	0.1ppb
<b>Multi-parameter sensor other information</b>	Power supply	12V ±5%
	Operating temperature	0~50°C
	Self-clean brush	optional
	Current	100mA
	Output	RS485
	Cable length	Standard 10m, customizable 5m, 15m and 30m
	IP Grade	IP68