

Disinfectant Online Analyzer



The disinfectant online analyzer is an intelligent disinfectant detection kit specifically designed for water disinfectants. It can measure any one of the parameters including residual chlorine, chlorine dioxide, and ozone, total chlorine. The product utilizes imported original components and is based on the latest polarimetry/amperometric current analysis technology, as well as advanced production processes and detection control techniques, ensuring long-term stability, reliability, and accuracy of the instrument. The disinfectant online analyzer features a large-screen color touch interface, supporting cloud platform and mobile remote monitoring of data. It also has a transmitter 485 communication output for disinfectant and temperature. It is used for continuous monitoring and control of disinfectant content in water solutions in applications such as water treatment plants, water distribution networks, swimming pools, cooling water systems, and water quality treatment projects.

► Feature

- ◉ Simultaneous output of multiple parameters: disinfectant value (residual chlorine/chlorine dioxide/ozone/total chlorine), temperature, etc.;
- ◉ Slope correction function, restore factory setting function;
- ◉ Network function: support cloud platform and mobile terminal data remote monitoring and RS485-Modbus communication.

► Specifications

Projects	Indicators	Value
System	Product Size	300mm * 450mm * 170mm (width, height and thickness)
	Operating voltage	100~240V AC,50/60Hz
	Power	10W (flow-through type) / 25W (immersion type)
	How it works	Continuous monitoring of drainage
	Inlet flow rate	Not less than 400mL/min
	Digital output	RS485 Modbus protocol (baud rate 9600, 8, N, 1)
	Analog output	4-20mA
	Working temperature	-5°C - 45°C
	Sensor material	Composite material
	Maintenance cycle	The calibration interval shall not exceed 30 days (weekly calibration is recommended)
Disinfectant (Chlorine residual/ Chlorine dioxide/ Ozone/total chlorine)	Measurement method	Reagentless, electrochemical, three-electrode amperometric system
	Repetitiveness	± 3%
	Resolution	0.001mg/L
	Lower detection limit	0.03 mg/L or less
	Measuring range	0 ~ 5/20mg/L
	Accuracy	± 3% (DPD comparison error ± 10% or ± 0.05mg/L, whichever is greater)
	Response Time (T90)	≤ 120 seconds
	Calibration method	One-point calibration, two-point calibration
	Sample pH range	4 ~ 9
	Measurement Method	Flow-through / immersion (only membrane sensors supported)