

Online Available Chlorine Analyzer

W510 with CH10 Sensor for Process Water



The Available Chlorine Analyzer is an online residual chlorine analyzer that adopts a genuine German-imported CH10 sensor and operates based on the coated dual-electrode constant current method; it is widely applied in industries such as fruit and vegetable disinfection, process water treatment, and industrial process water monitoring, and comes with a range of excellent features including resistance to surfactants and pollution, built-in automatic temperature compensation to improve measurement accuracy, no requirement for zero calibration, a wide measurement range, two input signal interfaces enabling simultaneous measurement of any one parameter among pH, ORP, conductivity, turbidity, and dissolved oxygen, multiple data output modes, support for diverse controller installation methods, and a robust structure made of aluminum alloy that offers high strength, oxidation resistance, corrosion resistance, and an IP65 protection rating.

Application

Fruit and vegetable disinfection, process water, industrial process water

Technical Parameters

Measurement Parameter	Free Chlorine
Measurement Range	20-2000mg/L; 0.05-20%
Lower Detection Limit	20mg/L (depending on the range)
Resolution	1mg/L (depending on the range)
Response Time	T90~8 minutes

pH Range	5.0~8.0
Maintenance	Membrane cap replacement cycle: 1 year (depending on water quality)
Flow Rate	In flow cell: 250~500mL/min
Operating Temperature	0~45°C
Display	LCD screen
Power Supply	105~235VAC, 50±1Hz / 24VDC±5 (DC optional)
Analog Output	Two analog outputs (load resistance <500Ω)
Digital Output	RS485 interface, MODBUS RTU protocol
Relay Output	Three relays, 5A 250VAC, 5A 30VDC
Material	Bottom case: Cast aluminum with spray coating; Top cover: PA66+30GF with spray coating
Dimensions	145145174mm (HWD)
Protection Class	IP65
Certification	CE, RoHS, REACH (sensor)