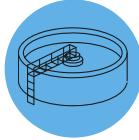




AAP-RCL-4000S

Residual Chlorine/Chlorine Dioxide Analyzer



www.advanceanalytik/products/analyzers.com

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AAP-RCL-4000S

Residual Chlorine/Chlorine Dioxide Analyzer

The AAP-RCL-4000S is an advanced residual chlorine/chlorine dioxide analyzer that employs a constant voltage principle to measure these components in water. The instrument utilizes stable electric potential and current signals to calculate concentrations, offering a simple structure, easy maintenance, and exceptional accuracy. It operates without oxygen consumption, eliminating flow rate and stirring requirements. Factory calibration ensures long-term stability and reliability.



Product Features

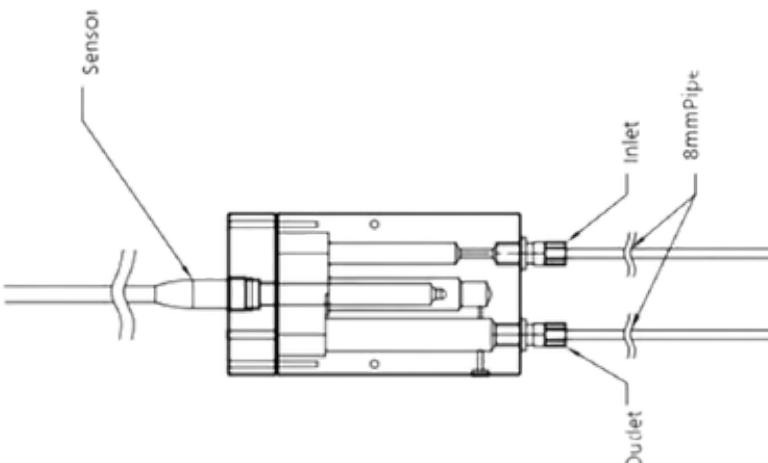
- Does not cause oxygen consumption during measurement, eliminating flow rate and stirring needs.
- Factory calibration, requiring calibration only once a year, with the option for field calibration.
- Digital sensor with strong anti-jamming capability and long transmission range



AAP-RCL-4000S

Technical Specifications

Basic Information	
Model	AAP-RCL-4000S
Part Number	AAPRCL.4000.00.22
Principle	Constant voltage method
Measurement Ranges	
Chlorine Measurement Range	0-2mg/L, 0-20 mg/L (optional)
pH Measurement Range	5-8 pH
Accuracy and Precision	
Measurement Accuracy	±3% or ±0.3 mg/L, whichever is greater
Temperature Compensation	Manual or automatic
Repeatability	±0.3 mg/L
Operating Conditions	
Pressure Range	≤0.3 Mpa
Calibration	2-Point Calibration
Flow Rate	30-60 L/h
Main Material	316L Stainless steel shell
Power and Output	
Power Supply	AC: 85-500VAC (50/60Hz) DC: 9-36VDC
Power Supply	3-way 4-20mA
Relay	Three-way relays with programmed response parameters and values
Communication and Operation	
Communication Protocol	MODBUS RS485
Operating Temperature	0-50°C (Non-freezing)
Physical Specifications	
Dimensions	Diameter 13.5mm * Length 178.5mm
Weight	1.4 KG
Protective Rate	IP68/NEMA6P
Cable Length	Standard: 10m, maximum can be extended to 100m



APPLICATIONS



Water Treatment Plants

For monitoring water quality in treatment processes and ensuring compliance with regulatory standards.



Swimming Pools and Spas

Ensures proper chlorination levels for safe and hygienic water quality in recreational facilities.



Food and Beverage Industry

Monitors chlorine and chlorine dioxide levels in water used for food and beverage production, ensuring compliance with safety and quality standards.



Industrial Processes

Controls and maintains residual chlorine and chlorine dioxide concentrations in industrial processes, preventing microbial growth and maintaining product integrity.



Research and Development

Ensures consistent product quality by monitoring turbidity in various industrial processes requiring precise control.



Research and Development

Supports studies related to water quality and contamination by providing reliable data on residual chlorine and chlorine dioxide levels in natural water bodies.



Note -

This data sheet serves as general information about the AAP-RCL-4000S . For specific technical details, installation guidelines, and troubleshooting assistance, please refer to the official user manual provided with the product.

For inquiries and detailed technical information, please contact info@advanceanalytik.com .

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