

SH-FCI200 Residual chlorine digital measurement device

● Overview

SH-FCI200 is an on-line constant voltage digital residual chlorine measurement device. The flow cell design of the product ensures constant measurement flow rate, effectively eliminating the influence of flow rate on the performance of the product; temperature and pH automatic compensation, RS485 interface and standard Modbus protocol.

● Product features

- pH and temperature automatic compensation, applicable to a wide range of environments
- Unique flow cell design guarantees a constant flow rate during measurement
- Electrodes can be replaced independently, no reagents, simple operation and low maintenance
- Fast response time, real-time detection of residual chlorine in water
- RS485 communication interface, standard Modbus protocol for easy integration.



● Technical parameters

Working Principle	Constant voltage glass electrode method		
Measurement value	Residual chlorine	pH	Temp
Measurement range	(0-2/20) mg/L	0~14	(0~50) °C
Accuracy	±10%; ±0.05mg/L at concentrations below 0.5mg/L	<0.1 pH	0.1 °C
pH comp. range	5~8.5		
Detection limit	0.02 mg/L		
Resolution	0.01 mg/L		
Response time	≤10 s		
Comm. interface	RS485, standard Modbus protocol		
Dimensions	(250*203*165) mm		
Materials	Electrode: gold ring glass; Detection cell: acrylic		
Weight	2 Kg.		
Operating voltage	24 Vdc		
Power absorption	0.3 W		
Minimum flow rate	0.5L/min		
Calibration period	1-3 months		
Operating temp.	(0~50) °C		

- **Product applications**

- Tap water, water from waterworks and end-of-network water, secondary water supply.