

SH-ISEF200 Fluoride digital probe

● Overview

The SH-ISEF200 Fluoride digital probe includes temperature compensation function and it adopts RS485 interface and standard Modbus protocol, which has the advantages of in-situ measurement, no reagent, no pre-treatment and low maintenance.

● Product features

- Industrial composite pH electrodes, electrodes for a wide range of sites
- Each electrode can be replaced independently, simple operation and low maintenance
- Fast response time, real-time detection of sodium ions in the water column
- Corrosion-resistant housing, waterproof grade IP68, can work underwater for a long time
- RS485 communication interface, standard Modbus protocol for easy integration.



● Technical parameters

Working Principle	Ion Selective Electrode method		
Measuring factor	Fluoride ion	pH	Temp
Measurement range	(0.1-1000) mg/L	0~14	(0~50) °C
Repeatability	≤2 %	< 0.1 pH	≤ 0.3°C
Accuracy	±10 % or ±0.5 mg/L	< 0.1 pH	< 0.3°C
Zero drift (24h)	±1% F.S.		
Range drift (24h)	±3% F.S.		
Detection limit	0.1 mg/L		
Resolution	0.01 mg/L		
Protection class	IP68		
Comm. interface	RS485, standard Modbus protocol Baud rate 9600		
Dimensions	(φ50*251) mm, cable 10 m (customizable)		
Material	316 Stainless-steel		
Weight	2 kg		
Operating voltage	9~36 Vdc		
Power absorption	0.5 W		
Calibration period	1~3 months (depending on site water quality environment)		
Operating temp.	(0~50) °C		

● Product applications

- Water to be potabilized, environmental surface water, municipal sewage, industrial wastewater