

SH-ISENO₃200 Nitrate digital probe

● Overview

The SH-ISENO3200 Nitrate digital probe includes temperature compensation, RS485 interface and standard Modbus protocol, in-situ measurement, no reagents, no pre-treatment and low maintenance.

● Product features

- Fast response time, real-time detection of nitrate in water bodies
- 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 parameter	Nitrate	pH	Temp
Meas. range	(0.05~1000) mg/L	0~14	(0~50) °C
Repeatability	≤2 %	< 0.1 pH	0.1 °C
Accuracy	0.5-1000 mg/L: ±10% 0.5-1 mg/L: 0.5 mg/L	± 0.1 pH	0.1 °C
Zero drift (24h)	±1% F.S.		
Range drift (24h)	±3% F.S.		
Response time	T ₉₀ ≤ 60 sec		
Protection class	IP68		
Comm interface	RS485, standard Modbus protocol Baud rate 9600		
Dimensions	(φ50*251) mm, cable 10 m (customizable)		
Materials	316 Stainless-steel/titanium alloy available		
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

- Environmental surface water, municipal and industrial wastewater, industrial process water.