

Online Ammonium Nitrogen Sensor

▶ S-NH131



Feature

- Signal output: RS-485 (Modbus/RTU) – compatible with PLC, DCS, industrial PCs, controllers, paperless recorders, touch screens;
- Patented ammonium ion electrode: $\leq 100\text{KPa}$ (1Bar) slow reference solution seepage, stable system, longer lifespan than standard industrial electrodes;
- Easy installation: 3/4NPT thread for pipelines/tanks;
- IP68 protection.

Product Overview

S-NH131 integrated online ammonium nitrogen sensor (PVC membrane ammonium ion electrode) – detects water ammonium ions; temperature compensation for fast, simple, accurate, cost-effective testing. User manual: technical specs, operation/maintenance, communication protocol details.

Scenario

The ammonium ion sensor has applications in various fields, including surface water, water treatment, aquaculture, and agricultural irrigation.

S-NH131 Online Ammonium Nitrogen Sensor		
Shell Material	ABS, PVC, POM	
Measurement Method	Ion selective electrode method	
Range And Resolution	0~10.00 mg/L	0.01 mg/L , 0.1°C
	0~100.00 mg/L	0.01 mg/L , 0.1°C
	0~1000.0 mg/L	0.1 mg/L , 0.1°C
Accuracy	0~10.00 mg/L	of reading or ± 1 mg/L , whichever is greater, $\pm 0.5^\circ\text{C}$
	0~100.00 mg/L	
	0~1000.0 mg/L	$\pm 10\%$ of reading $\pm 0.5^\circ\text{C}$
Response Time (T90)	<60s	
Minimum Detection Limit	0.09 (0-10 mg/L and 0-100 mg/L)	
	0.9 (0-1000mg /L)	
Calibration Method	Two-point calibration	
Cleaning Method	/	
Temperature Compensation	Automatic temperature compensation (Pt1000)	
Output Method	RS-485 (Modbus RTU) , 4-20 mA (optional)	
Storage Temperature	-5~65 °C	
Working Conditions	0~40 °C , <0.1MPa , 4 ~10 pH	