



Aquaculture

Product Solution



S-pH006 Online PH Sensor

The S-pH006 is an industrial-grade digital online pH sensor designed for continuous pH measurement in water quality monitoring, industrial processes, and aquaculture. It features RS-485 (Modbus/RTU) output, high precision, long service life, and easy maintenance, making it ideal for long-term monitoring of fresh and seawater.

Product features

- Precise Measurement: 0~14pH full range, 0.01pH resolution, ±0.1pH accuracy, with built-in NTC automatic temperature compensation;
- Digital Communication: Standard RS-485 (Modbus/RTU) open protocol, strong anti-interference performance for stable data transmission;
- Long-life Probe: Microporous salt bridge design extends probe service life to over 20 months, with excellent stability;
- Durable & Easy Installation: IP68 protection, 3/4 NPT thread for immersion mounting, corrosion-resistant POM wetted materia;
- Low Power & Easy Maintenance: 12~24VDC power supply (0.2W consumption), supports two-point calibration with factory pre-calibration;
- Wide Compatibility: Seamlessly integrates with PLC, DCS, data loggers, and other industrial devices for diverse applications.

Specifications

Model	S-pH006
Measuring range	0~14pH
Resolution	0.01pH
Accuracy	±0.1pH, ±0.3°C
Working temperature	0~65°C
Working pressure	< 0.2MPa
Temperature compensation	Auto temperature compensation (NTC)
Power supply	12~24VDC
Signal output	RS-485(Modbus/RTU)
Wetted material	POM
Mounting method	Immersion mounting, 3/4 NPT thread
Cable length	5 meters, other lengths can be customized
Calibration	Two-point calibration
Power consumption	0.2W@12V
Protection grade	IP68



S-DO015

Online Fluorescence Dissolved Oxygen Sensor

The S-DO015 is an industrial-grade online DO sensor based on fluorescence quenching. It requires no electrolyte, no oxygen consumption, and supports automatic temperature & salinity compensation. With RS-485 (Modbus RTU) output, it is ideal for long-term online monitoring in water quality, aquaculture and industrial water treatment, featuring high precision, low power and easy maintenance.

Product features

- Fluorescence sensing, no electrolyte/oxygen consumption, free from flow & sulfide interference;
- 0~20.00mg/L range, ±2% accuracy, <30s response, auto temp/salinity compensation;
- Low power (0.2W), 1-year fluorescent cap life, simple maintenance;
- Two-point calibration, stable long-term measurement.

Specifications

Model	S-DO015
Case material	POM, ABS/PC alloy, 316L stainless steel
Measurement principle	Fluorescence method
Range	0~20.00 mg/L (0~200% saturation, 25°C)
Resolution	0.01mg/L, 0.1°C
Accuracy	±2%, ±0.3°C
Response time (T90)	< 30s
Minimum detection limit	0.08mg/L
Calibration method	Two-point calibration
Temperature compensation	Automatic temperature compensation (Pt1000)
Output method	RS-485 (Modbus RTU)
Storage temperature	-5~65°C
Working conditions	0~50°C, ≤0.2MPa
Installation method	Submersible installation, 3/4 NPT
Power consumption	0.2W@12V
Power supply	12~24V DC
Protection level	IP68
Life of fluorescent membrane head	1 year (under normal use)
Cable length	5 meters, other lengths can be customized



S-NH131

Online Ammonium Nitrogen Sensor

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.

Product features

- 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.

Specifications

Model	S-NH131	
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	



C-MT012

Multi-Function End

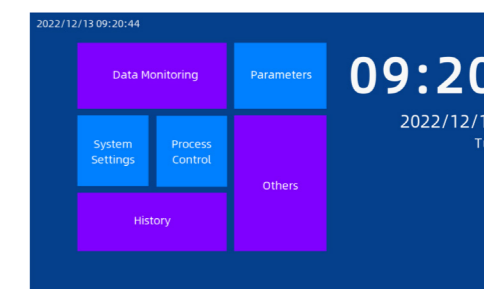
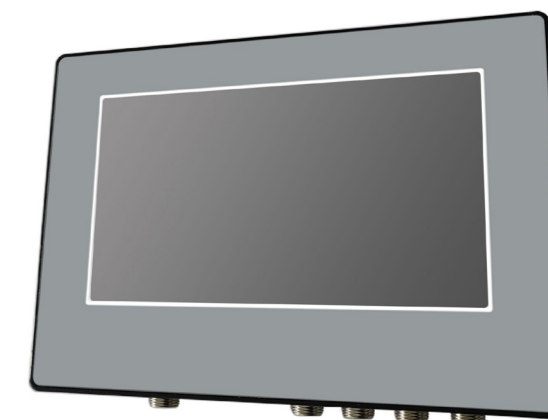
The C-MT012 is an industrial-grade multi-function water quality monitoring terminal, compatible with all brand RS485 sensors. It supports both conventional and wet-chemical sensors, displays real-time data, stores 60-day historical data, and is widely used in surface water, sewage, aquaculture and other scenarios. It integrates monitoring, calibration, control, data storage and remote communication.

Product features

- Compatible with 25 types of RS485 water quality sensors;
- Stores 60-day data, supports one-click U-disk CSV export;
- Supports one-key calibration, limit alarm and relay control;
- Standard Modbus RTU protocol for remote data upload.

Specifications

Model	C-MT012
Hardware Parameters	Display 7 "16:9 TFT LCD screen
Resolution of resolution	1024 x 600
color	24
brightness	350 CD/m squared
backlight	LED
LCD life	50000 hours
Touch screen	4 wire industrial resistance touch screen
Liquid crystal viewing Angle	'85 / '85 / '85 / '85
(T/B/L/R)	Rated power < 10W
Electrical Specifications	DC24V, working range DC 9V-28V
Rated voltage	With lightning surge protection
Power supply protection	< 5mS
Allow loss of power	In accordance with EN61000-6-2:2005, EN61000-6-4:2007 standards
CE & RoHS	Operating temperature
Environmental Requirements	- 20 ~ 60 °C
Storage temperature	Do not work in strong ultraviolet environment (such as direct sunlight)
Uv protection	10~90%RH (no condensation)
Ambient humidity	10~25Hz (X, Y, Z directions 2G/30 minutes)
Resistance to shock	Natural air cooling
Mode of cooling	Protection grade front panel meets IP65



S-NO141

Online Nitrite Sensor

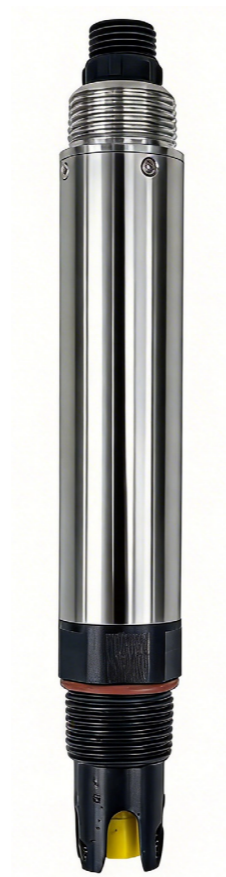
The S-NO141 integrated online nitrite nitrogen sensor is made with a PVC membrane-based ion-selective electrode and is used to measure the nitrite ion content in water. It features temperature compensation to ensure tests are fast, simple, accurate, and economical.

Product features

- Signal output: RS-485 bus, Modbus RTU protocol, convenient for connection to PLCs, DCS, industrial control computers, general controllers and other third-party devices;
- Patented nitrite ion electrode, with internal reference solution that seeps extremely slowly from the microporous salt bridge under a pressure of at least 100KPa (1Bar);
- Easy to install: 3/4 NPT threading, suitable for immersion installation or mounting on pipelines and tanks;
- IP68 protection rating.

Specifications

Model	S-NH131	
Measurement Principle	Ion Selective Method Measurement	
Range and Resolution	0~2.000 mg/L	0.001mg/L
Accuracy	±5%; ±0.3°C	
Calibration Method	Two-Point Calibration	
Cleaning Method	/	
Temperature Compensation	Automatic Temperature Compensation (Pt1000)	
Output Method	RS-485(ModbusRTU)	
Storage Temperature	-5~40°C	
Working Conditions	0~40°C, ≤0.2MPa	
Housing Material	316L	
Installation Method	Submersible Installation, 3/4NPT	
Power Consumption	0.2W@12V	
Power Supply	12~24VDC	
Protection Level	IP68	



S-EC023

Online Conductivity Sensor

The S-DO015 is an industrial-grade digital online conductivity sensor for drinking water, surface water, municipal water supply and industrial water treatment. It measures conductivity, TDS and temperature simultaneously, with RS-485 (Modbus/RTU) output and automatic temperature compensation, compatible with various industrial control systems for long-term online water quality monitoring.

Product features

- High-Precision Measurement, built-in Pt1000 automatic temperature compensation;
- RS-485 (Modbus/RTU) output, strong anti-interference, compatible with PLC/DCS;
- 3/4 NPT thread, submersible installation for pipes and tanks;
- IP68 protection, ABS wetted material for harsh environments;
- 12~24VDC wide voltage, 0.1W low power, stable operation;
- Two-point calibration, easy cleaning and maintenance.

Specifications

Model	S-EC023	
Measuring range and resolution	0~20 μS/cm (TDS 0~10 mg/L)	0.01/0.1/1 (Depending on the range)
	0~200 μS/cm (TDS 0~100 mg/L)	0.01/0.1/1 (Depending on the range)
	0~200000 μS/cm	0.01/0.1/1 (Depending on the range)
	0~20 mS/cm	0.1
	0~200 mS/cm	0.1
Precision	±1.5% of reading, ±0.3°C	
Working temperature	0~50°C	
Working pressure	≤0.6MPa	
Power supply	12~24VDC	
Signal output	RS-485(Modbus/RTU)	
Wetted material	SUS316Land POM, ABS and ABS/PC alloy	
Mounting method	Immersion mounting, 3/4 NPT thread	
Cable length	5 meters, other lengths can be customized	
Temperature compensation	Auto temperature compensation(Pt1000)	
Calibration	Two-point calibration	
Power consumption	0.2W@12V	
Protection grade	IP68	





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