



科泽智慧环境
Keze Intelligence Environment

K301S series

NH+



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Product introduction

KEZE K301S series of Ammonia Nitrogen analyzer is an online water quality analyzer independently developed by KEZE with independent intellectual property rights.

The analyzer is a high-precision instrument designed for real-time monitoring of ammonia nitrogen (NH_4^+-N) levels in water. Ammonia nitrogen is a critical indicator of water pollution, widely used in industrial wastewater treatment, drinking water source monitoring, and assessing the quality of rivers and lakes.



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Product Features

Stability

- ❖ A high-precision sample pump is used for sample injection, enabling accurate measurement.
- ❖ Verification methods include automatic zero calibration with standard solution, span calibration with standard solution, and remote standard sample verification, while quality control features automatic spiking recovery determination.

Simplicity

- ❖ The analyzer features a touchscreen interface with LCD display for easy operation.
- ❖ The analyzer's system commands are user-friendly, allowing for convenient operation.

High Adaptability

- ❖ The analyzer is compatible with high turbidity and high salinity water, supporting both acidic and alkaline permanganate methods.
- ❖ The adaptive technology features automatic intelligent range adjustment, allowing it to smartly adapt to various water types.

Low Maintenance

- ❖ The analyzer requires minimal reagent usage while maintaining high device reliability.
- ❖ The analyzer's maintenance interval can be extended to one month.

Product Attributes

Parameter	Direct measurement of NH_4^+
Measurement Method	Salicylic acid spectrophotometry
Range	(0.000 ~ 1.000/2.000/5.000/10.000/20.000/50.000/ 100.000) mg/L
Range Selection	Automatic or Manual Range Selection
Multi-Stream	Up to two 4-20 mA signals
Repeatability	$\pm 3\%$ of reading or ± 0.2 mg/L P, whichever is greater
Stability	$\pm 2\%$
Cycle Time	From 30 minutes, depending on range and application
Communication	Modbus RTU, Modbus TCP/IP & Profibus (when the Profibus option is selected, the digital output signals are sent through the Profibus converter with its specific communication protocol).
Enclosure Rating	IP65
Sample Inlet Temperature	2 - 60 °C
Ambient Temperature	5 - 45 °C
Humidity	5 - 85 % (non-condensing)
Data Storage	Previous 9999 analysis data on screen in the microcontroller memory and storage of data archive for the lifetime of the analyzer in the SD/MMC card.
Display	Maximum pixels 800*600 backlit LCD with LED backlight
Power Requirements (Voltage)	AC (220 $\pm$ 22) V(按照当地要求填写)
Power Requirements(Hz)	50/60 Hz
Service Interval	1 months service intervals
Dimensions(H x W x D)	1371 mm×470mm×372 mm
Weight	60 kg

