Automatic ammonia nitrogen analyzer
YKHHN100

Product Overview:

Traditional ammonia nitrogen detection and analysis is not only time-consuming, but also complicated and tedious, and requires high skills from operators. Water sample detection and recording can hardly meet the needs of large-scale sample analysis and testing. The fully automatic ammonia nitrogen water quality analyzer automates the tedious and complex ammonia nitrogen analysis, with unattended analysis and batch processing of water samples, freeing the hands of testers and providing accurate ammonia nitrogen water quality analysis, which meets the requirements specified in HJ 535-2009 Nessler's reagent spectrophotometry.

Instrument features:

1. The analysis system consists of three units, namely, the automatic three-dimensional sampling unit, the high-precision spectrophotometer unit, and the automatic control display unit. It has fault detection alarm function and memory function. After power failure, the restart

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instrument can judge the unfinished analysis status and continue to complete the analysis, which increases the safety of system operation.

2. Automatic analysis, simple process, input sample information into the control unit, the automatic sampler automatically injects samples into the analysis unit, has the sample addition function, can add samples at any time, each measurement interval, the pipeline can be automatically cleaned, to ensure the accuracy of the measurement results and the pollution-free sampling.

3. The analyst only needs to accurately extract the water sample, set the information of the sample to be tested on the instrument interface, avoid editing the sample information individually, improve work efficiency, automatically measure the remaining steps, automatically discharge waste, automatically generate and save reports, and the closed structure design and automatic waste liquid discharge program avoid pollution to the environment during the test.

4. No sample preparation process is required, and prefabricated reagents are used, which can greatly shorten the preparation time of reagents.

5. The analysis system adopts a fully automatic high-precision spectrophotometer with high wavelength accuracy and good stability. Corrosion-resistant and long-life design: It can repeatedly transfer various corrosive organic and inorganic liquids such as 98% concentrated sulfuric acid, strong alkali, organic solvents, etc. for a long time (corrosion-resistant DuPont polytetrafluoroethylene pipes, patented remote pipetting technology, greatly extending the life of the precision syringe pump).

6. Wide measurement range, strong anti-interference ability, the instrument has automatic sample dilution function (dilution method needs to be confirmed), automatic calibration function, and higher reliability and accuracy.

7. IoT cloud data upload function, Bluetooth transmission, USB interface, wifi module, support cloud storage, WeChat applet, greatly facilitate the customer's application scenarios.

Instrument parameters:
Screen size: 7-inch color capacitive touch screen
Measurement items: ammonia nitrogen
Measurement range: 0-100mg/L segmented test
Measurement time: 20 minutes/16
Detection limit: 0.05mg/L
Wavelength accuracy: ±0.1nm (at 656.1nm), ±0.3nm full area
Repeatability: ≤0.1nm
Accuracy: 0.2%T (0-100%T), ±0.002A (0-0.5A), ±0.004A (0.5-1A)
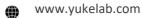Repeatability: ≤0.15%T (0-100%T), ±0.001A (0-0.5A), ±0.002A (0.5-1A)
Stray light: ≤0.03%T@220nm, 360nm
Stability: ±0.001A/h@500nm

Main Interface

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Sample injection configuration

Sample analysis

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