Datasheet

Water Quality On-line Ammonia Analyzer

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Water Quality On-line Ammonia Analyzer

Water Quality On-line Ammonia Analyzer is an instrument used for real-time monitoring of ammonia nitrogen concentration in water bodies. Mainly originating from agriculture, industry, and urban domestic sewage. This analyzer can achieve rapid and accurate measurement of ammonia nitrogen concentration in water bodies. It is also suitable for online monitoring of ammonia nitrogen concentration in waterworks, surface water, groundwater, coastal seawater, water used in various industrial production processes, aquaculture, and other industries.

Applications

- Wastewater
- Tap water
- Aquaculture
- Groundwater quality
- Medical Institutions
- River water quality monitoring
- Laboratory water quality testing
- Coastal seawater

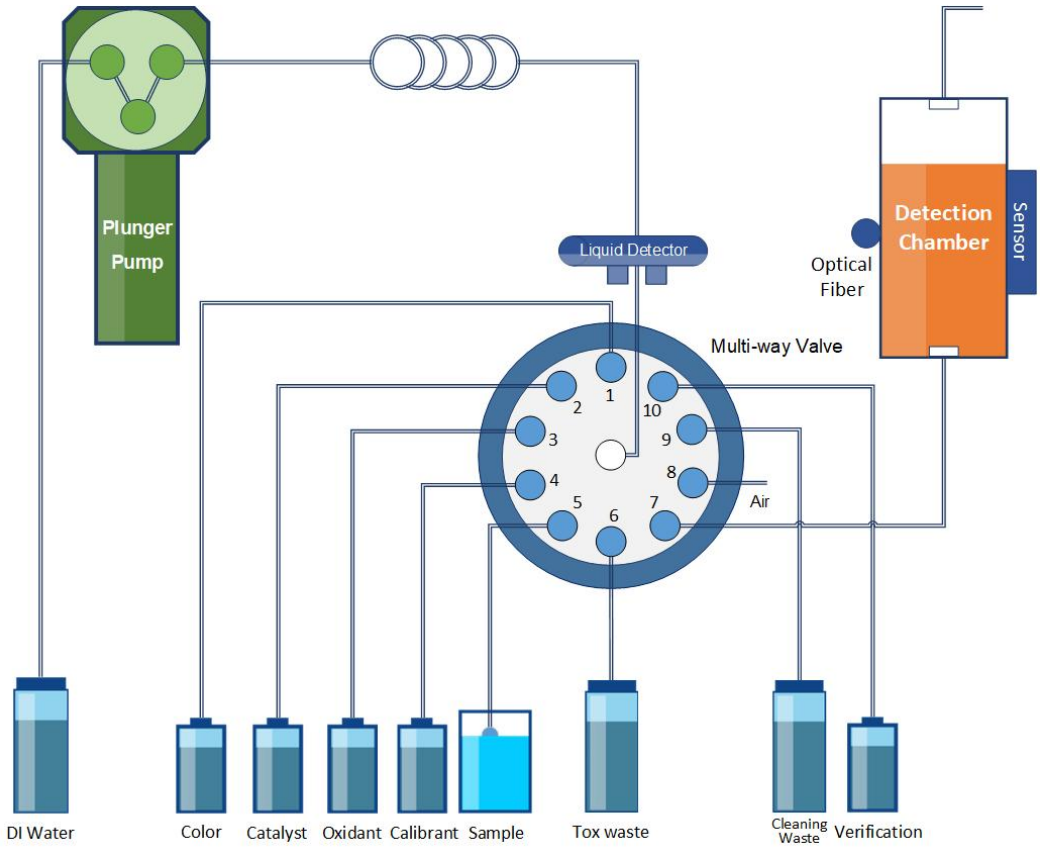
Water Quality On-line Ammonia Analyzer

Features

- Double optical path detection
- Small reagent consumption
- Lack of liquid detection and alarm
- Separation of toxic waste water and cleaning waste water
- Automatic compensation of turbidity, automatic range switching
- Key parameter upload, automatic range switching, friendly human-computer interaction
- Support IPv4 network
- Support USB and TF card

Principle

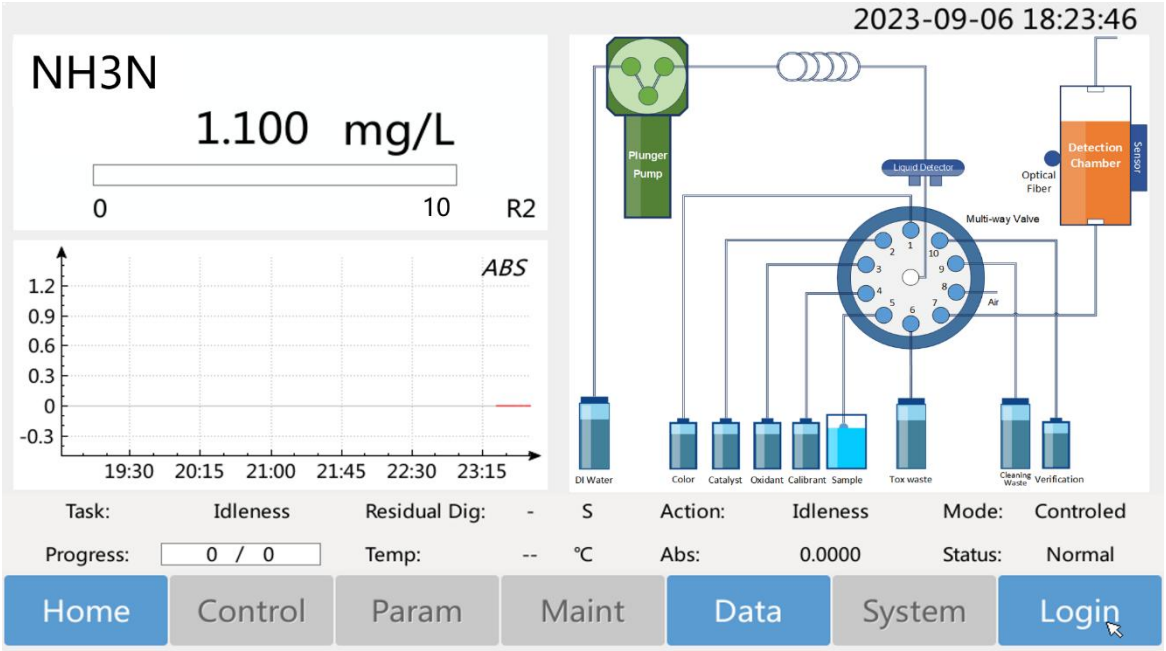
In the presence of alkaline medium (pH = 11.7) and sodium nitroso ferricyanide, ammonia and ammonium ions in the sample react with salicylate and hypochlorite ions to form a blue compound, and the instrument can calculate the concentration of ammonia in the sample through spectrophotometric conversion.



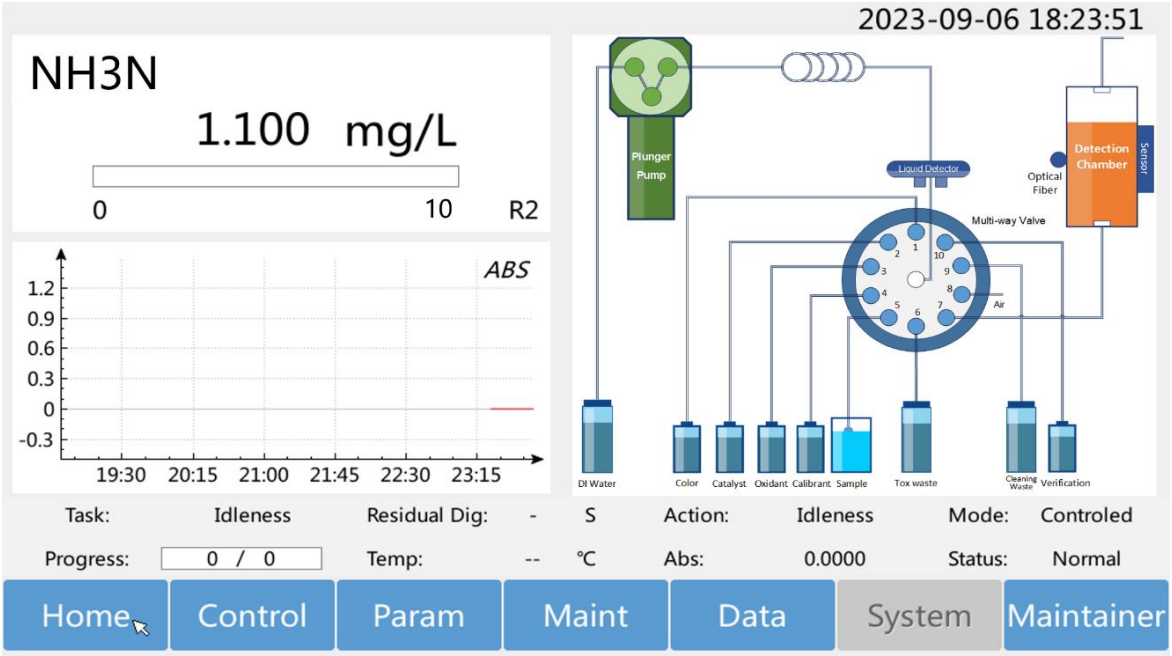
Parameters	Details
Measuring range	(0～2 / 10 / 20 / 50 / 100) mg/L
Error	20% Range:±8%; 50% Range:±5%; 80% Range:±3%
Repeatability	<10 mg/L：≤2%；≥10 mg/L：≤5%
24h low concentration drift	±0.02 mg/L
24h high concentration drift	≤1%
Minimum Maintenance Period	≥168 h/time
Digital communication	RS232、RS485、RJ45
Analog communication	(4~20)mA input; (4~20)mA output
Power requirements	(220±22)VAC；(50±1)Hz
Ambient temperature	(5~40)℃
Size	300mm×420mm×240mm (W×H×D)
Weight	＜15 Kg

Monitor page

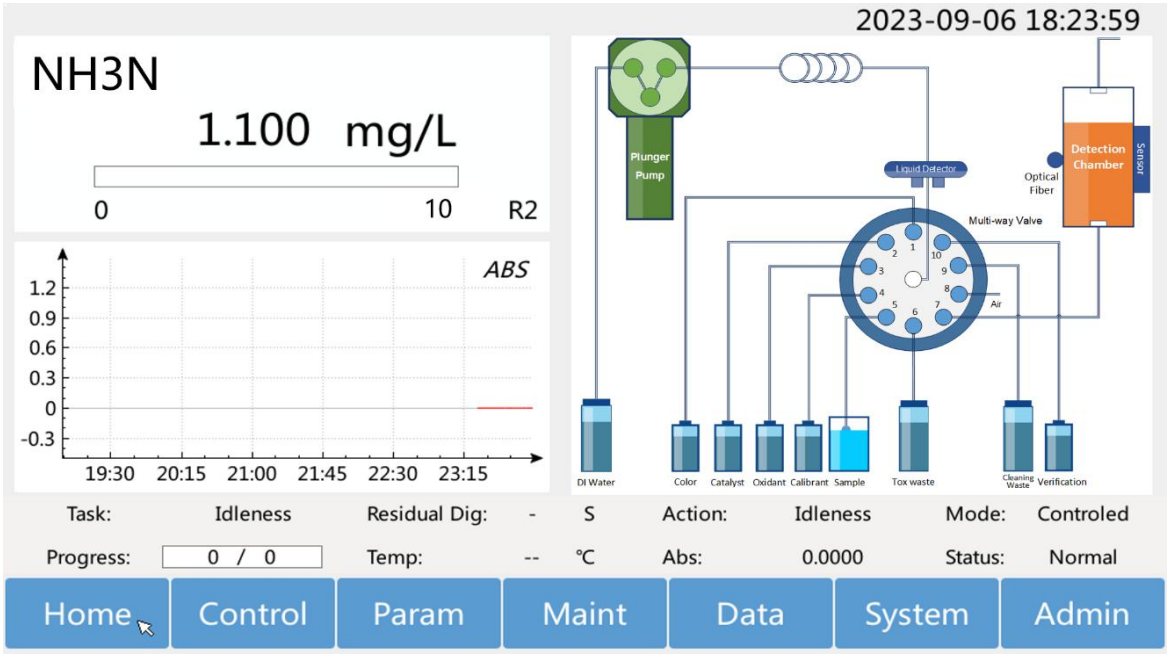
Home (Level-1 authority)：



Home (Level-2 authority)：



Home (Level-3 authority)：



Wiring

The power supply used by the instrument is: voltage: (220±22) VAC, current: 10 A; frequency: (50±1) Hz; power: <150 W. The instrument should be well grounded. For areas with unstable voltage, it is recommended to use an AC power regulator with matching power to protect the instrument.