Semi Automatic Kjeldahl Nitrogen Analyzer

Applications:

Widely used in food processing, feed production, tobacco, animal husbandry, soil fertilizer, environmental monitoring, medicine, agriculture, scientific research, teaching, quality supervision and other fields, nitrogen or protein content determination; It can also be used for the detection of ammonium salt, volatile fatty acid/alkali, soil cation exchange capacity, etc.



Features:

* 7-inch high-resolution color LCD display, real-time control of the experimental process
* Manual/automatic dual mode can be switched freely. In the automatic mode, it can automatically quantitatively add lye, boric acid receiving solution, dilution water and other automatic waste discharge systems. After the experiment is completed, the waste liquid in the digestive tube is automatically discharged, and the rinsing time can be set freely.
* The distillation time can be set arbitrarily, and the alarm prompts the end of the distillation. The safety protection design of the experiment, the safety door protection and the reminder function that the digestive tube is not in place
* Water-saving function design, condensed water flow rate 1.5L/min, real-time flow monitoring, low water pressure alarm display
* Real-time monitoring of steam generator temperature, pressure and water level to ensure safe and reliable experiment process
* Emergency stop operation function and automatic fault detection function, sound and light alarm in case of fault, intelligent bullet box display
* Adopt high reliable PTFE pump, special corrosion resistance, anti crystallization, stable liquid addition, stable negative pressure suction
* The whole machine of the instrument is made of ABS engineering plastics, which is corrosion-resistant, waterproof and leak-proof

Technical Parameters:

Model	AKN-01	AKN-01S
Measuring Range	0.1mg-240mg N	
Recovery Rate	≥99.5%	
Sample Amount	Solid≤6g; Liquid≤20mL	
Distillation Speed	3-6min/sample	
Distillation Time	0-60min	
Repeatability	≤0.5%	
Cooling Water Consumption	1.5L/min	
Operating Mode	Automatic/manual dual modes	
Automatic drainage	/	Automatically emptying and cleaning digestive tube waste liquid
Reagents Bottle Liquid Level Detection	/	Yes
Reagents Bottle	4pcs	
Protection Device	Flow rate detection, liquid level alarm, over temperature and over pressure protection	
Display	7 inches LCD display	
Rated Power	1.4kW	
Power Supply	Standard: 220V 50/60Hz, optional: 110V 50/60Hz	
External Size	490*380*725mm	
Net Weight	35kg	
Packing Size	630*560*1350mm	
Gross Weight	52kg	

Fully-automatic Kjeldahl Nitrogen Analyzer

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Features:

* Automatically add dilution water, add alkali, add receiver solution, distillation, titration, calculation, printing, automatic emptying function of digestion tube and receiving cup, steam flow adjustment, fault self-checking and other functions.
* New Android operating system, with 7-inch high-definition color touch screen, real-time control of the experiment process.
* External titration cup design, the operator can control the experimental process in real time.
* Steam flow can be adjusted within the range of 0~100%.
* With user authority classification function, operation log query, data traceability management can be realized.
* The instrument has a built-in 8G storage space and a variety of built-in application solutions.
* Quick emptying function of digestive tube, avoiding experimenters from contacting distillation high-temperature waste liquid.
* High-precision dosing pump and titration system ensure the accuracy of experimental results.
* Titration process image curve display, online monitoring of the whole experimental process, real-time monitoring.

Technical Parameters:

Model	AKN-10S
Measuring Range	0.1mg-240mg N
Recovery Rate	≥99.5%
Sample Amount	Solid≤6g; Liquid≤25mL
Distillation Speed	3-8min/sample
Distillation Time	0-99min
Repeatability	≤0.5%
Titration Precision	1.0ul/step
Storage Data	1 million groups
Reagents Bottle Liquid Level Detection	Yes
Protection Device	Flow rate detection, liquid level alarm, over temperature and over pressure protection
Display	7 inches LCD display
Rated Power	2kW
Power Supply	Standard: 220V 50/60Hz, optional: 110V 50/60Hz
External Size	490*380*725mm
Net Weight	38kg
Packing Size	630*560*1350mm
Gross Weight	52kg