Fully-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:

*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.
  Steam Generation: Built-in steam generator, pressure-controlled, constant temperature.
 • Reagent Addition: Automatic addition of sodium hydroxide and other reagents via calibrated pumps. titration with the real-time graph displayed on the instruments.
 • Glass condenser for efficient thermal exchange and low water consumption.
 • Safety Features: Over-temperature and over-pressure protection, safety door interlock, water level sensors, steam generator safety valve, automatic stop in case of power/water failure.
 • User Interface: Digital / touchscreen display with programmable protocols, timer, and alarms.
 • Distillate Recovery: Typically ≥99.5% recovery; automatic titration connection optional.
 • Cooling System: Water-cooled condenser with low water consumption.
 • Construction: Plastic casing + Painting,
 • Accessories: Compatible digestion block/tubes, reagent tanks, safety collection vessels

Technical Parameters:

Model	AKN-10S (Customized)
Measuring Range	0.04mg-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