

Automatic Kjeldahl Nitrogen Analyzer



Applications:

Widely used in food processing, feed production, tobacco, animal husbandry, soil fertilizer, environmental monitoring, 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:

1. 7-inch high-resolution color LCD display, real-time control of the experimental process.
2. 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.
3. 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.

4. Water-saving function design, condensed water flow rate 1.5L/min, real-time flow monitoring, low water pressure alarm display.
5. Real-time monitoring of steam generator temperature, pressure and water level to ensure safe and reliable experiment process.
6. Emergency stop operation function and automatic fault detection function, sound and light alarm in case of fault, intelligent bullet box display.
7. Adopt high reliable PTFE pump, special corrosion resistance, anti crystallization, stable liquid addition, stable negative pressure suction.
8. The whole machine of the instrument is made of ABS engineering plastics, which is corrosion-resistant, waterproof and leak-proof.

Technical Specifications:

Model	QC-KDA-01D
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	500*390*740mm
Net Weight	40kg