



A & E LAB (UK) CO.,LTD

Laboratory Instruments Solution Provider

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2025 Version

AE LAB SKD-100 Semi-Automatic Kjeldahl Nitrogen Analyzer

Introduction:

The semi-automatic Kjeldahl nitrogen analyzer (protein analyzer) is a set of automatic intelligent measuring instruments designed according to the classic Kjeldahl method of nitrogen determination. It is widely used to measure the overall content of ammonia nitrogen and protein nitrogen in grain, oil, food, dairy products, beverages, feed, soil, chemical fertilizers, drugs, sediments and chemical products. It is an important physical and chemical analysis instrument for product quality inspection.



Features:

- ◆ The instrument shell is made of ABS engineering plastic mold, which is resistant to strong acid and alkali, and heat insulated.
- ◆ High temperature, acid and alkali resistant materials are used to ensure the internal anti-corrosion, anti-leakage and sealing inside the instrument. The internal piping is guaranteed not to be replaced for three years.
- ◆ Corrosion resistant acid and alkali valve is used to add alkali to the instrument, which reduces the failure rate of the instrument.
- ◆ There is overpressure protection in the tube of the instrument, and the steam balance output effectively eliminates the suction phenomenon of the sample!
- ◆ The use of single chip computer control, automatic alkali, automatic distillation and storage data Settings, making the measurement object faster, more accurate, more stable distillation.
- ◆ Cleaning control system to realize intelligent cleaning of distillers and alkali channels.
- ◆ During the distillation process, it can manually add alkali at any time, and automatically compensate the heating time of the distillation cup.
- ◆ The distiller adopts double liquid level control (double safety) to prevent dry burning.

Parameter:

automatic function	Automatic addition alkali, automatic replenishment of water, automatic distillation and data storage.
Measurable sample volume	Solid < 6g, liquid <16ml
Distillation speed	3-8min
Measuring range	0.1-210mgN
Display mode	LED digital tube display
Alkali addition time can be set	0-99 seconds segmented alkali addition
Distillation time can be set	0-99min
Distillation capacity	15-30ml/min, adjustable
Distillation power	1,500W, adjustable
Data storage	programming and storing 10 kinds of distillation and alkali adding programs
Recovery rate	> 99.5%
Repeatability	RSD ≤ 0.5%
Humanized operation	emergency stop operation function
Rated voltage	AC220 ± 10%
Dimensions	370*300*680mm
Water supply	water pressure greater than 0.15MPa water temperature less than 20 degrees
Weight Net weight	15kg

Packing List:

Type	Name	Qty.	Remarks
Instrument	SKD-100 Instrument	1	
Accessories	Cleaning bucket	1	
	Alkali bucket	1	
	Distilled water bucket	1	
	10A fuse	2	
	Plastic pipe	1 set	Used to connect pipes
	User Manual	1	
	Warranty card	1	
	Certificate of Conformity	1	
	Power cord	1	
	Hose clip	3	