



KJELDAHL ANALYZER BGF1B1 (BKJS-201)

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AUTOMATIC KJELDAHL NITROGEN PROTEIN ANALYZER

Kjeldahl Nitrogen Protein Analyzer is unique in its intelligence, efficiency, energy saving and data sharing, bringing more new experiences to users.



Automation, Fully automatic distillation, titration, calculation, printing, waste disposal, fault self-test and can be connected to 24-position Auto Sampler for true unattended operation, making the whole experiment process simple and efficient. Compliance with FDA 21 CFR Part 11 and GMP, it has the function of authorization management, account management, experiment data traceable password-aging and editing protection, etc. High accuracy, burette accuracy can be adjusted from 0.2 to 1 μ L/Step. New metal condensing unit, ultra high efficiency for condensing, saving up to 50% water.

SPECIFICATIONS

Model	BGF1B1
Old Model	BKJS-201
Measuring range	0.1 mg ~ 240 mg N
Analysis time	3 ~ 8 min/sample
RSD	$\leq 0.5\%$
Recovery	$\geq 99.5\%$
Burette precision	0.2 μ L/step, 0.4 μ L/step and 1.0 μ L/step optional
Sample capacity	solids ≤ 5 g/sample, liquids ≤ 20 mL/sample
Water consumption in the distillation process	0.5 L/min
Data storage capacity	1 million groups (Internal) / Unlimited (PC)
Interface	USB, LAN, RS232, CAN, WIFI
Power supply	220 VAC $\pm 10\%$, 50/60 Hz
Power	2000 W
Net weight	38 kg
Dimensions	460 mm x 360 mm x 725 mm
Alt Name	Automatic Kjeldahl Nitrogen Protein Analyzer

ACCESSORIES FOR PURCHASE

No	Name	Description
1	Auto Sampler	Capacity: 24 samples per batch Rotor speed: ≥ 0.04 r/s Sampling speed: ≥ 40 mm/s Tank capacity: 4 x 15 L Interface: CAN Voltage: 24 V DC Rated power: 40 W Dimensions (L x W x H): 920 mm x 625 mm x 908 mm Weight: 80 kg

FEATURES



Automation, Fully automatic distillation, titration, calculation, printing, waste disposal, fault self-test and can be connected to 24-position Auto Sampler for true unattended operation, making the whole experiment process simple and efficient.



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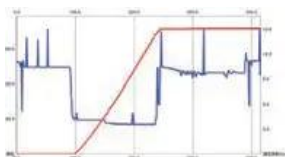
High accuracy, burette accuracy can be adjusted from 0.2 to 1 μ L/Step.



New metal condensing unit, ultra high efficiency for condensing, saving up to 50% water.



24-position Auto Sampler with fully program processing, no manual guard, saving human resource cost.



Distillation and titration in real time, variable speed titration technology, reducing experiment time up to 30%.

Specifications

With side-distillation titration and variable-speed titration technology, reducing experiment time by one-third
New Android operating system, easy to use, powerful, with 10 inch high-definition color touch screen, real-time control of the entire experimental process
With batch testing function, it makes the batch sample experiment operation simple, reducing test time
Monitoring the condensate effluent temperature in real time to ensure complete condensation of the sample, ensuring the test results are accurate and reliable
Privilege grading function, which can realize data traceability management and meet the requirements of GMP and 21CFR Part11
The titration module is used to titrate the receiving liquid, the titration result is more accurate, and the titration precision is higher. The titration graph displays the online monitoring of the entire experimental process in real time, and the experimental method can be adjusted in real time to improve the test accuracy and efficiency.
Up to 24-position Auto Sampler, the Auto Sampler does not require a separate power supply and is directly connected to the fully automatic Kjeldahl analyzer. The entire system is more energy-efficient.
24-position injection port, the cleaning position is separated from the test position, completely eliminating the possibility of cross-contamination during distillation
Ultra-large capacity solvent tanks, which can meet 500 experimental analyses in one fill, effectively improve laboratory efficiency.

APPLICATIONS

The product can be widely used in the fields of food processing, feed production, tobacco, animal husbandry, soil fertility, environmental monitoring, medicine, agriculture, scientific research, teaching, quality supervision and other fields of nitrogen or protein determination.



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