



FULLY-AUTOMATIC KJELDAHL ANALYZER LKA-C11

Fully-automatic Kjeldahl Analyzer LKA-C11 is a compact and fully automated unit, adopted with distillation and titration function based on classic Kjeldahl nitrogen determination method, offers measuring range of 0.1 to 240 mg N with 5 to 10 min/sample of analysis time. With 2.0 μ l/step of burette volume, 5g of solid sample and 20 ml of liquid sample capacity, features pre-install functions of cleaning, i.e., receiving cup cleaning, alkali pipeline cleaning, boric acid pipeline cleaning, acid washing, and steam bottle evacuation. Designed with 4 KNF pumps work for dozing, measurement liquid volume, offers real time detected distilled liquid temperature and high titration accuracy. Equipped with external titration cup, integrated printer and latest core control system, it also has data storage capacity for 1000 groups.

Features

- ❑ A compact and fully automated Kjeldahl Analyzer, safe and time-saving
- ❑ Distillation and titration function based on classic Kjeldahl nitrogen determination method
- ❑ Measuring range of 0.1 to 240 mg N with 5 to 10 min/sample of analysis time
- ❑ 2.0 μ l/step of burette volume, 5g of solid sample and 20 ml of liquid sample capacity
- ❑ Pre-install functions of cleaning, i.e., receiving cup cleaning, alkali pipeline cleaning, boric acid pipeline cleaning, acid washing, and steam bottle evacuation
- ❑ 4 KNF pumps work for dozing, measurement liquid volume, highly accurate dozing and working
- ❑ Real time detected distilled liquid temperature and high titration accuracy
- ❑ External titration cup, integrated printer, and latest core control system
- ❑ Storage capacity for 1000 groups, convenient and reliable operation
- ❑ Ensures test results accuracy with smooth test process

Application

Fully-automatic Kjeldahl Analyzer is used for determination of ammonia nitrogen, protein determination, nitrogen content, nitric nitrogen, phenols, volatile acids, cyanides, alcohol content etc. across food processing, feed production, tobacco, animal husbandry, soil fertility, environmental monitoring, medicine, agriculture, scientific research, teaching, quality supervision etc.

Specifications

Model	LKA-C11
Measurement range	0.1 to 240 mg N
Function	Distillation and titration function based on classic Kjeldahl nitrogen determination method
Recovery rate	≥ 99.5%
Sample	Solid ≤ 5 g/sample, Liquid ≤ 20 mL/sample
Analysis time	5 to 10 min/sample
Condensate water consumption	1.5 l/min
Reproducibility	Average value relative error ≤ ± 0.5%
Burette volume	2.0 µl/step
Data storage capacity	1000 groups
Automatic function	Receiving cup cleaning, alkali pipeline cleaning, boric acid pipeline cleaning, acid washing, and steam bottle evacuation
Pump	4 KNF pumps
Power supply	220 V AC ± 10%, 50 Hz
Power	2 kW
Dimension (W×D×H)	455×391×730 mm
Weight	38 kg