



 **LABTRON**

Kjeldahl Analyzer

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Kjeldahl Analyzer

Kjeldahl Analyzer LKA-A10

Kjeldahl Analyzer LKA-A10 is a complete microcomputer controlled user-friendly automatic device integrating distillation and titration functions. It is compatible with 42 mm digestion tubes and has features such as automatic waste discharge and cleaning of digestion tubes and titration cups, control steam flow and real time detection of distillation temperature. Along with High-accuracy Charging Pump and Titration system, it is also equipped with large LCD touch screen panel, faster ARM system and multiple fluid level detection system to ensure smooth test process

Features

- ◆ Microcomputer controlled system ensures automatic completion of distillation, titration, calculation, printing and waste discharge
- ◆ Provides multiple protections i.e., failure-self detection, hints of condensed water shortage, displacement of safety door and digestion tube
- ◆ Large LCD touch screen enables visual operation
- ◆ Double distillation model
- ◆ High precision charging pump and titration system
- ◆ Automatic waste discharge and cleaning of digestion tubes and titration cups
- ◆ Provision to control steam flow
- ◆ Real time detection of distilled liquid temperature
- ◆ External titration cup design gives operator real-time control of the entire test process
- ◆ Reagent barrel gives fluid absence warning ensuring smooth functioning of test process
- ◆ Digestion tube fast drain function is used to protect the operator
- ◆ Faster ARM system to ensure fast operation
- ◆ USB or RS 485 interface is optional for PC connection
- ◆ User friendly design

Applications

It is used to perform nitrogen analysis and protein determination in food & feed industry, environmental industry, chemical industry etc.

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Specifications

Model no.	LKA-A10
Measuring Range	0.1 mg-200 mg N
Analysis Time	5-10 min/sample
Water Consumption in the Distillation Process	1.5 l/min
Sample Capacity	Solid: $\leq 5\text{g/sample}$; Liquid: 20 ml/sample
Burette volume	2.0 $\mu\text{l/step}$
Recovery	$\geq 99.5\%$
Reproducibility	Average value relative error $\pm 0.5\%$
Data Storage Capacity	1000 groups
Power Supply	AC 220 V $\pm 10\%$ / 50 Hz
Power	2 kW
Dimension	455 x 391 x 730 mm
Net Weight	38 kg

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Standard Configuration

Accessory Name	Quantity
Waste Receiving Tray	1 pc
Nylon Cable Ties	10 pcs
Glove	2 pcs
Silicone Pipe	2 pcs
Fuse (15A)	5 pcs
Printing paper	10 rolls
Digestion Tube Holder	1 pc
Digestion Tube 300 ml	10 pcs
Power Cord	1 pc
Dustproof Cover	1 pc
Inlet Water Pipe	1 pc
Outlet Water Pipe	1 pc
Titration Acid Bottle	1 pc
Alkali/Water/ Acid Tanks with level sensors	3 pcs
Touch Pen	1 pc

Optional Accessories

Accessory Name	Specification	Quantity
Digestion Tube	280 ml	10
Alkali Tank/ Boric Acid Tank/ Water Tank	600 ml	3
Digestion Tube Holder	10 hole	1
Titration Acid	1L	1
Printing Paper	L57 x Φ 33	10

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Semi-Automatic Kjeldahl Analyzer LKA-A20

LKA-A20 is a semi-automatic Kjeldahl analyzer having intelligent design. It is equipped with 4.3" LCD screen, automatic fault detection system and intelligent audible and visual alarm system. With features such as automatic alkali liquid quantification and filling, automatic boric solution quantification and filling, intelligent cooling water control system and emergency stop operation, it is a safe and reliable instrument.

Features

- ◆ 4.3" LCD display
 - ◆ Easy changeover of Manual/Automatic mode
 - ◆ Automatic quantification and filling of alkali liquid and boric solution
 - ◆ Automatic cleaning of control system and distiller
 - ◆ Automatic alarm function on completion of process
 - ◆ Perfect safety system ensures protection against over temperature and over pressure
 - ◆ Intelligent cooling water control system
 - ◆ Emergency stop operation to deal with unexpected accidents
 - ◆ Distillation time can be set freely
 - ◆ Automatic or manual filling mode is optional according to the test need
 - ◆ Automatic fault detection system
 - ◆ Intelligent audible and visual alarm system available
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Applications

It is used to perform nitrogen analysis and protein determination in food & feed industry, environmental industry, chemical industry etc.

Kjeldahl Analyzer

Specifications

Model no.	LKA-A20
Measuring Range	0.1 mg-250 mg N
Analysis Time	3-4 min/sample
Water Consumption in the Distillation Process	1.2-3 l/min
Sample Capacity	Solid: ≤ 6g/sample; Liquid: 16 ml/sample
Recovery	≥99.5%
Power Supply	AC 220 V ± 10%/ 50 Hz
Power	2.0kW
Dimension	400 x 385 x 735mm
Net Weight	32.6 kg

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Standard Configuration

Accessory Name	Quantity
Digestion Tubes	10 pcs
Power Cord	1 pc
Alkali/ Water/ Acid Tanks	3 pcs
Inlet Water Pipe	1 pc
Draining Pipe	1 pc
Waste Receiving Tray	1 pc
Nylon Cable Ties	10 pcs

Optional Accessories

Accessory Name	Specification	Quantity
Digestion Tube	280 ml	10
Alkali Tank	300 ml	3
Boric Acid Tank		
Water Tank		



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