



 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
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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-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: ≤ 5g/sample; Liquid: 20 ml/sample |
| Burette volume | 1.0µl/step |
| Recovery | ≥ 99.5% |
| Reproducibility | Average value relative error ± 0.5% |
| Data Storage Capacity | 1800 groups |
| Power Supply | AC 220 V ± 10%/ 50 Hz |
| Power | 2 kW |
| Dimension | 455 x 391 x 730 mm |
| Net Weight | 38 kg |

Kjeldahl Analyzer

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 |

Kjeldahl Analyzer

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-240 mg N |
| Analysis Time | 3-6 min/sample |
| Water Consumption in the Distillation Process | 1.5 l/min |
| Sample Capacity | Solid: ≤ 6g/sample; Liquid: 16 ml/sample |
| Recovery | ≥99.5% |
| Power Supply | AC 220 V ± 10%/ 50 Hz |
| Power | 1.3 kW |
| Dimension | 400 x 385 x 735 mm |
| Net Weight | 30 kg |

Kjeldahl Analyzer

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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