



Nitrogen Estimation System



Product Description

KLABS KDNE-240 Nitrogen Estimation System is an advanced automated distillation unit designed for accurate Kjeldahl nitrogen determination. The system offers high recovery, excellent repeatability, efficient steam generation and advanced safety features for routine laboratory analysis.

Features

- High-efficiency steam generator with automatic water refill
- High-efficiency condenser cooling system
- Low cooling water consumption
- High recovery and precision performance
- Over-temperature and dry-run protection system
- Automated distillation process
- Stable and reliable operation
- Compact bench-top design
- User-friendly operation and maintenance

Application/Uses

- Protein Analysis
- Food & Feed Testing
- Agricultural Laboratories
- Fertilizer Testing
- Environmental Analysis
- Research & Development Laboratories
- Quality Control Laboratories



KDNE-240

Distillation System

- High-efficiency design with automatic water refill
- High-efficiency condenser cooling system
- Low cooling water consumption
- High recovery and precision performance
- Automatic safety monitoring system

Accessories

- Distillation Module
- Condenser Assembly
- Reagent Handling System
- User Manual

Technical Specifications

Parameter	Specification
Product Name	Nitrogen Estimation System
Model No.	KDNE-240
Analysis Scope	0.1–240 mg N
Precision (RSD)	≤ 0.5%
Recovery	99%
Steam Generator	High-efficiency design with automatic water refill
Cooling System	High-efficiency condenser
Water Consumption	1.2–3.0 L/min
Safety Features	Over-temperature and dry-run protection
Power	220–240 VAC, 50/60 Hz, 2.0 kW