

☼ Nitrogen Estimation With Titration



Product Description

KLABS KNETT-240 is an automatic distillation and titration system designed for precise Kjeldahl nitrogen estimation with integrated colorimetric endpoint detection and automated reagent handling.

Features

- Automatic Distillation System
- Automatic Acid-Base Titration
- Colorimetric Endpoint Detection
- High-Precision Piston Titrant Delivery
- Automatic Water Refill System
- High-Efficiency Condenser
- Separate Reagent Container System
- Chemical Resistant Tubing
- Over-Temperature & Dry-Run Protection
- High Accuracy and Repeatability

Application/Uses

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



Technical Specifications

Parameter	Specification
Product Name	Nitrogen Estimation With Titration
Model No.	KNETT-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
Reagent System	Separate containers for Alkali, Diluent, Boric Acid, Titrant, Indicator, Semi-automatic reagent suction & feed, Chemical-resistant tubing
Type	Automatic acid–base titration
Accuracy	±0.1%
Endpoint Detection	Colorimetric
Dispensing Mechanism	High-precision piston-based titrant delivery system
Dispense Resolution	0.01 mL
Repeatability	High stability due to closed piston chamber and micro step motor control
Power	220–240 VAC, 50/60 Hz, 2.1 kW