

LABKJEL

PRO



Fully Automated Distillation System with Integrated Titration Unit



The **Labkjel Pro** Automatic Kjeldahl Nitrogen & Protein Analyzer seamlessly integrates distillation and titration systems, following the established Kjeldahl nitrogen determination method. It incorporates cutting-edge core control technology, robust automation, and top-notch components. This device effortlessly enables automatic cleaning of digestion tubes and titration cups, precise control of steam supply, and continuous monitoring of condensation temperature. With a high-precision charging pump and titration system, it guarantees precise test results. Additionally, multiple fluid level sensors ensure a seamless testing process.



KEY SPECIFICATIONS

- External titration cup design gives operator real-time control of the whole test process
- High-precision charging pump and titration ensure test results accuracy
- The temperature of distilled liquid is detected real time
- Easy Maintenance: Pre-install functions of cleaning, include receiving cup cleaning, alkali pipeline cleaning, boric acid pipeline cleaning, acid washing.
- High titration accuracy, up to 2.0 μ L/step
- Steam bottle evacuation. supports customer for making the routine maintenance easy



FOOD



PHARMA



FEED



ENVIRONMENT

OUR UNIQUE OFFERINGS

- IN-BUILT TITRATOR
- AUTOMATIC ALKALI PIPELINE WASHING FUNCTION.
- AUTOMATIC CLEANING OF CONTROL SYSTEM AND DISTILLER, ENSURING HIGH MEASUREMENT ACCURACY.
- AUTOMATIC FAULT DETECTION AND INTELLIGENT AUDIBLE AND VISUAL ALARM SYSTEM ARE AVAILABLE.
- BUILT IN DEBUG MODE TO CHECK THE STATUS OF EACH PART.
- INTEGRATED PRINTER ON THE INSTRUMENTS

Technical Data

LKP 1402 Automatic Kjeldahl Nitrogen / Protein Analyzer

Measuring range	0.01mg ~240mg N
Analysis time	3.5 ~ 5 min/sample
RSD	$\leq 0.5\%$
Recovery	$\geq 99.5\%$
Burette precision	2.0 μ L/step
Sample capacity	solid ≤ 5 g/sample, liquid ≤ 20 mL/sample
Water consumption in the distillation	1.5L/min
Display	5.6" colour screen
Data storage capacity	1000 groups
Power supply	220VAC $\pm 10\%$, 50/60Hz
Power consumption	2KW
Net weight	38Kg
Dimensions	455mm \times 391mm \times 730mm
IP Rating	IP 65

OUR CUSTOMERS:



Accreditations:

Formally recognized by AOAC, EPA, DIN, and ISO

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Automated High-Throughput Nitrogen Analysis