

KJELDAHL ANALYZER TT-K9860



The Kjeldahl Analyzer TT-K9860 automates distillation and titration functions, following the traditional Kjeldahl nitrogen determination method.

Kjeldahl Analyzer TT-K9860 features an advanced core control system, robust automation, and high-quality components, effortlessly managing automatic cleaning of digestion tubes and titration cups, controlling steam supply, and real-time monitoring of condensation temperature. With high-precision charging pump and titration system, it ensures accurate test results, while multiple fluid level detections maintain a seamless testing process.

APPLICATIONS

- **Food and Beverage Industry:** Measures protein content in dairy, meat, grains, and processed foods to support nutritional labeling, product development, and quality control.
- **Feed and Agriculture:** Determines nitrogen and protein levels in animal feed, fertilizers, and soil samples to optimize formulations and evaluate soil fertility.
- **Pharmaceuticals & Biotechnology:** Provides accurate nitrogen determination for pharmaceutical raw materials, intermediates, and final formulations to ensure regulatory compliance.
- **Environmental Testing:** Monitors nitrogen compounds in wastewater, sludge, and soil samples to support pollution control and meet environmental regulations.
- **Tobacco Industry:** Evaluates nitrogen levels in tobacco leaves and finished products to maintain product consistency and production quality.
- **Education & Research:** Delivers reliable nitrogen and protein analysis for universities, academic laboratories, and R&D centers focused on analytical chemistry.
- **Quality Assurance Labs:** Supports AOAC, ISO, and pharmacopeial testing with automated distillation and titration for efficient quality verification.

FEATURES

Characteristics:

- Automated cleaning ensures operator safety and time efficiency.
- The external titration cup design allows operators real-time control over the entire testing process.
- High-precision charging pump and titration ensure precise test results.
- Real-time detection of distilled liquid temperature allows the instrument to halt operation in case of abnormal temperatures, ensuring experiment result accuracy.

Features:

- Precision dosing and operation for high accuracy.
- User-friendly maintenance: Pre-installed cleaning functions cover receiving cup, alkali pipeline, boric acid pipeline, acid washing, and steam bottle evacuation, facilitating routine maintenance for customers.
- High titration accuracy, reaching up to 2.0μL per step.
- Includes an integrated printer within the instruments.

TECHNICAL SPECIFICATIONS

Measuring range	0.1mg □ 240mg N
Analysis time	5□ 10min/sample
Reproducibility	Average value relative error ±0.5%
Recovery	≥99.5%

Burette volume	2.0μL/step
Sample capacity	solid≤5g/sample, liquid≤20mL/sample
Water consumption in the distillation process	1.5L/min
Data storage capacity	1000 groups
Power supply	220VAC±10%, 50Hz (110V is also available. Please specify when ordering)
Power	2Kw
Net weight	83.8 lbs.
Dimensions	17.9 inches X 15.4 inches X 28.7 inches



Torontech Inc.

251 Consumers Road, Suite 1200
Toronto, Ontario, M2J 4R3, Canada 

Phone: +1 416 368 2721 | Fax: +1 416 981 7652
Email: info@torontech.com

Torontech, LLC

601 Brickell Key Drive, Suite 700
Miami, FL 33131, USA 

Toll-Free: 1-866-383-7919
Email: sales@torontech.com

Torontech ME FZE

Meydan Grandstand, 6th Floor,
Meydan Road, Nad Al Sheba,
Dubai-261440, UAE 

Phone: +971 488 19252
Email: me@torontech.com

