



NKY6100 Series

Kjeldahl Analyzer Fully-Automatic



Key Features

1. Fully-automatic Kjeldahl Analyzer;
2. Color sensor-based Automatic Kjeldahl Analyzer;
3. Imported RGB color sensor technology.
4. Equipped with a miniprinter.

Product Description

NKD6200 Series Potentiometric Fully-Automatic Kjeldahl Analyzer

Product Feature:

1. titration and distillation are conducted at the same time and the ammonia gas released is neutralized, avoid the overflow of ammonia gas and enhance the test efficiency;
2. a high-precision micro-metering pump replaces the traditional syringe plunger pump, remarkably improving precision and reducing cleaning work;
3. the humanized pick & place setting of digestion duct makes it convenient for users to operate;
4. diaphragm pump is used to add reagent to avoid injure which can be caused by high-pressure pump;
5. imported RGB color sensor technology is adopted to eliminate the disturbance of ambient light and achieve an accurate judgment;
6. a 8.0-inch LCD touch screen is intended to set distillation time, the amount of diluent, acid liquor and alkali. Such a human-computer interaction interface is easy to operate;
7. real-time display of titration curve, alerting users to the working condition at any time;
8. it possesses an all-stage warning system which alerts users to any abnormal working condition at any time;
9. wireless network modules is installed, realizing remote data transmission, test data processing and test report printing;
10. ARM processor is adopted with built-in Flash chip, which is equipped with a file system, enabling users to create or delete folders or files and store 1000 routine data;
11. it is equipped with a miniprinter so that users can print experimental data according to their need.



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◎ **Technical Index:**

Model	NKY6180	NKY6160/NKY6160T	NKY6120/NKY6120T
Measurement Range	0.1-240mgN	0.1-240mgN	0.1-200mgN
Function	1. Automatic test module of conventional Nitrogen. 2. Automatic test module of Nitrate Nitrogen 3. Automatic test module of high Nitrogen		Automatic test module of conventional Nitrogen
Recovery Rate(%)	≥99.5%	≥99.5%	≥99.5%
Distillation Time	3-8min/sample	3-8min/sample	3-8min/sample
Sample	Solid≤5g liquid≤25ml	Solid≤5g liquid≤25ml	Solid≤5g liquid≤25ml
Distillation Mode	Double distillation mode	Double distillation mode	conventional distillation mode
Condensate Water Consumption	≥1.5L/min	≥1.5L/min	≥1.5L/min
Distillation Power	375W-1500W	375W-1500W	375W-1500W
Titration precision	0.0125	0.2	1
Repeatability	RSD≤0.3%	RSD≤0.5%	RSD≤0.5%
Stored record	30000	10000	5000
Automatic Function	Automatic sample dilution, addition of acid and alkali, distillation, reaction cup emptying and cleaning; auto correction, calculation and printing. Several conventional methods are equipped.		
Result Determination	Determined by the terminal color	Determined by the terminal color	Determined by the terminal color
Safety Protection Function	1. Level alarm system 2. Alarm system monitoring the temperature of vapor generator 3. Flow sensor monitors the whole process with the flow velocity be adjusted freely. 4. Temperature measurement of distillate 5. Acid and alkali resistant polymer composite materials used for the cabinet		1. Level alarm system 2. Flow sensor monitors the whole process with the flow velocity be adjusted freely. 3. Temperature measurement of distillate 4. Acid and alkali resistant polymer composite materials used for the cabinet

Optical sensor	RGB programmable optical sensing technology	RGB programmable optical sensing technology	RGB programmable optical sensing technology
Display mode	8.0-inch LCD touch screen	8.0-inch LCD touch screen	8.0-inch LCD touch screen
Titration mode	Imported high-precision micro-metering pump		high-precision micro-metering pump
Way of distillation	Distillation and titration are carried out simultaneously	Distillation and titration are carried out simultaneously	Distillation and titration are carried out simultaneously
Steam flow	adjustable	adjustable	adjustable
Operating Ambient Temperature	10°C-35°C	10°C-35°C	10°C-35°C
Water-cooling Device	Circulatory condensate system	/	/
Language	Chinese/English	Chinese/English	Chinese/English
Power	AC220V AC±10% 50Hz	AC220V AC±10% 50Hz	AC220V AC±10% 50Hz
Rated Power	1500W	1500W	1500W
External Dimension	360x460x680	360x460x680	360x460x680
Communication Mode	Network Interface RS232 interface/usb interface	(Enhancement Mode) Network Interface RS232 interface/usb interface	(Enhancement Mode) Network Interface RS232 interface/usb interface
Weight	About 20kg	About 20kg	About 20kg