

# K1160/K1160+K1124 Automatic Kjeldahl Analyzer

Intelligence, efficiency and digitization are the development trend of future laboratory and the innovation target of Hanon.K1160 automatic kjeldahl analyzer continues to the future. On the basis of K1100F's accuracy, stability, convenience and rapidity, it features more intelligence, high efficiency, energy saving and data sharing, bringing more new experience to users. The product can be more widely used in food processing, feed production, tobacco, animal husbandry, soil fertilizer, environmental monitoring, medicine, agriculture, scientific research, teaching, quality supervision and other fields nitrogen or protein determination.

### Feature

- Automatic distillation, titration, calculation, printing, waste discharge, fault self-check and other functions make the whole experimental process simple and efficient.
- Optional 24 position auto sampler
- Distillation and titration can be same time, reduce time and improving accuracy
- Android operating system with 10 inch touch screen
- Meet GMP and FDA 21CFR part11
- Titration steps curve displayed on the screen in real time, for find the end point of the titration.



### Efficient intelligent experience

The 10-inch color touch screen is compatible with the humanized UI design and Based on Android. It is user-friendly, easy to operate and easy to learn. 24 position automatic sampler let unattended operating easier, along with the batch input function, let K1160 system bring efficiency to your laboratory.



### Compliance with Standard

Software using 3 level ID classify design with password function, data is trace-ability. Safety and reliability.

### Accuracy

Patented condensing system, 0.2 to 1 $\mu$ L/step will be a big help to some low nitrogen samples, to meet different content of nitrogen samples.

specification	Range	0.1-240mgN
	Repeatability (RSD)	0.5%RSD
	Cooling water consumption	15 $^{\circ}$ C 0.5L/min
	Data Storage Capacity	1 million pcs
	steam delay function	yes
	titration accuracy	0.2,0.4,1.0 $\mu$ L/step
	alkaline adding sequence	yes
	digestion tube	300ml
	titration device	5, 10, 25ml
	stam flow adjustable	0-100%
	function	2GB memory
	result alarm	yes
	Titration EDP	colorimetric
	colorimetric	3 color available
	distillation and titration at same time	yes
	power on self tested	yes
	ID classify	3 levels
	connecting PC	yes, wifi or internet port
	printer	yes, by USB
	Connecting analysis	YES
	data export	USB
	connecting balance available	yes
	data export format	PDF,XML
	Auditing and Tracing	yes
	Screen	10inch touch
	autosampler	K1124
	autosampler	24position (300mL)
	sampler design	rotor
	sampling method	tube insert directly
	condensor material	metal
	Splash head material	polymer plastic
	Position capacity	300mL
	Port	24position
	Inbuilt solvent bottles volume	CAN
	Dimension	415L
		920mmX625mmX908mm