

Model	K1160	K1100F	K9860	K9840
Performance Data				
Measure range	0.1-240mgN	0.1mg – 240mg	0.1mg – 240mg	0.1mg – 240mg
Analysis time	3 - 8min	3 – 8min	5 - 10min	5 - 10min (only distillation)
Recovery	≥99.5%	≥99.5%	≥99.5%	≥99.5%
Samples available	Solid ≤ 5g; Liquid ≤20ml	Solid ≤ 5g; Liquid ≤20ml		Solid ≤ 5g; Liquid ≤20ml
Burette accurate	0.2,0.4,1.0μL/step adjustable	1.0μL/ step	2μL/ step	no titration burette
Reproducibility	0.5%RSD	±0.5%	±1%	
Functions List				
Steam flow rate adjustable	YES	YES	NO	NO
Steam generator pressure monitor	YES	YES	NO	NO
Steam generator temperature monitor	YES	YES	YES	YES
Acid and Alkali adding sequence adjustable	YES	YES	No	NO
Acid, alkali and dilute water adding quantified	YES	YES	YES	YES
Titration Device	colormetric inbuilt	colormetric inbuilt	colormetric inbuilt	no titration function
Automatic Titration cup discharge and clean	YES	YES	YES	
Titration while Distillation	YES	YES	NO	
Auto receiver solution adding	YES	YES	YES	YES
Tube emptying	YES	YES	No	NO
Tube on Position Detecting	YES	YES	No	YES
Safety door	YES	YES	YES	YES
Programmable methods storage	YES	99	1	1
Data storage capacity	YES	1800	1000	
Series and USB port for data trans to PC	YES	Option	No	NO
Printer	external by USB or WiFi	thermal printer inbuilt	thermal printer inbuilt	NO
Solvent Tanks with liquid level sensor	YES	YES	NO	NO
Core Parts Material				
Splash head material	polymer plastic	polymer plastic	polymer plastic	polymer plastic
Steam Material	corrosion-resistant metal	corrosion-resistant metal	corrosion-resistant metal	glass
Condensor	alloy metal	Glass	Glass	glass
distillation Requirements				
Power consumption	2000W	2000W	2000W	1300w
Operating Pannel	color touch screen	color touch screen	color touch screen	color screen with button panel
Water consumption	0.5L/min at 15°C	1.5L/Min	1.5L/Min	1.5L/Min
Ambient temperature	5 – 40°C	5 – 40°C	5-40°C	5-40°C
Sample Tube Type	φ42mm	φ42mm	φ42mm	φ42mm
Net weight		38Kg	38Kg	
Dimension		455*391*730mm	455*391*730mm	400*385*735
FDA 21CFR part11	YES	NO	NO	
Auto Sampler	24 position Sampler optional	NO	NO	No
Soil CEC (cation exchange capacity)	0.2-1200 cmol(+)/kg	0.2-1200 cmol(+)/kg	0.2-1200 cmol(+)/kg	