

Kjeldahl Analyzer DW-K1100F

DW-K1100F Automatic Kjeldahl Analyzer is an automatic device integrating distillation and titration functions designed based on classic Kjeldahl nitrogen determination method. It's equipped with the latest core control system, powerful automatic degree and high-quality components, can easily achieve automatic waste discharge and cleaning of digestion waste discharge and cleaning of digestion tubes and titration cups, control steam supply and have real-time detection of condensation temperature. High-accuracy charging pump and titration system ensure test results accuracy, and multiple fluid level detection gives smooth test process.

DW-K1100F is automatic Kjeldahl analyzer, consist of distillation, titration, calculation, data treatment. The differences between two models: DW-K1100F adopt 300ml digestion tube, available titration while distillation; better ARM operation system and more methods editing.

Features

1. High accuracy dosing and working: adopt 4 KNF pumps work for dosing, measurement liquid volume.
2. Complete compatible design: Using 300mL tubes(ϕ 42mm), compatible with con-generic products perfectly
3. Easy Maintenance: Pre-install full functions of cleaning, include Digestion tube cleaning, Receiving cup cleaning, Alkali pipeline cleaning, Boric acid pipeline cleaning, acid washing, steam bottle evacuation. Support customer make the routine maintenance easily.
4. Highest titration accuracy, up to 4.1.0 μ L/step.

Characteristic

1. Automatic waste discharge and cleaning ensure operator safety and save time.
2. External titration cup design gives operator real-time control of the whole test process. Steam flow is controllable, satisfying different test requirements.
3. Regent barrel enjoys fluid absence warning function, ensuring smooth test going.
4. High-precision charging pump and titration ensure test results accuracy.
5. The temperature of distilled liquid is detected real time. If the temperature of distilled liquid is abnormal, to ensure the accuracy of experiment's result, instrument will stop working.
6. Double distillation model is used to meet different experiments, to retard the speed of acid-base reaction.
7. Digestion tube fast drain function is used to avoid operator touch distilled hot reagents, protecting operators.
8. USB or RS485 interface is optional for PC connection.



Specifications

Measuring range	0.1mg ~ 200mg N
Analysis time	5 ~ 10min/sample
Reproducibility	Average value relative error $\pm 0.5\%$
Recovery	$\geq 99.5\%$
Burette volume	1.0 μ L/step
Sample capacity	solid ≤ 5 g/sample, liquid ≤ 20 mL/sample
Water consumption in the distillation process	1.5L/min
Data storage capacity	DW-K1100F: 1800 groups
Power supply	220VAC $\pm 10\%$, 50Hz
Power	2Kw
Net weight	38Kg
Dimensions	455mm x 391 mm x 730mm