K1100F Automatic Kjeldahl Nitrogen Protein Analyzer

Hanon K1100F Automatic Kjeldahl Nitrogen Protein Analyzer is an automatic device integrating distillation and titration system and it is designed based on classic Kjeldahl nitrogen determination method. It's equipped with the latest core control system, powerful automation and high-quality components; can easily achieve automatic waste discharge and cleaning of digestion tubes and titration cups, control steam supply and 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.



Characteristics

- Automatic distillation, titration, calculation, printing, drain and cleaning function, safety and saving-time.
- Visible titration cup design gives operatorreal-time control of the whole test process.
- Steam flow is controllable, satisfying different test requirements.
- Regent barrel enjoys fluid absence warning function, ensuring smooth test going.
- High-precision charging pump and titration system ensure test results accuracy.
- Large LCD touch screen gives visual operation and abundant information, enabling user to have a good command of it.
- USB or RS485 interface is optional for PC connection.
- Distilled liquid temperature is detected real time. Emergency stop against temp anomaly.
- Double distillation model meets different experiments, to retard the speed of acid-base reaction.
- Digestion tube fast drain function is used to avoid operator touch distilled hot reagents, protecting operators.
- Printer is built in.

Complete microcomputer control

Automatic completion of distillation, titration, calculation, printing, waste discharge and multiple protections, i.e.failure self-detection,hints of condensed water shortage, displacement of safety door and digestion tube and so on.

Large LCD Touch Screen Panel

5.6 inch LCD touch screen panel gives visual operation and abundant information,enabling user to have a good command of it.

K1100F

Complete compatible design

Compatible with congeneric products perfectly

Performance advantage

- Compatible with φ42mm digestion tube
- Titration while distillation, enhance the efficiency rapidly.
- User friendly design, color touch screen, easy for operating
- Faster ARM system, faster operating rate
- Kjeldahl Digestor model SH520, SH508, SH420F and SH420F are matching K1100F, with φ42 digestion tube









Technical data

Measuring range	0.1mg ～240mg N
Analysis time	3～8min/sample
RSD	≤0.5%
Recovery	≧99.5%
Burrette precision	1.0μL/step
Sample capacity	solid≦5g/sample, liquid≦20mL/sample
Water consumption in the distillation process	1.5L/min
Data storage capacity	1800 groups
Power supply	220VAC±10%, 50/60Hz
Power	2000W
Net weight	38Kg
Dimensions	455mm*391mm*730mm