Fat Analyzer



Application:

It is widely used in the determination of fat products in the fields of grain, feed, oil, food processing, chemical industry,animal husbandry, soil and fertilizer environmental monitoring, medicine, agriculture, scientific research, teaching, quality supervision and other fields with crude fat content >0.1%.

Features:

* Equipped with an integral metal bath heating module, featuring a wide temperature control range and high precision.
* A 7-inch high-resolution color LCD screen, capable of displaying both set temperature and actual temperature simultaneously; it shows the countdown of holding time and alarms when the time is up.
* The circuit and extraction space are completely isolated, enhancing system safety.
* PTFE valve core valves ensure safe, controllable, and leak-free solvent recovery.
* The instrument is equipped with a complete time control system to strictly monitor the experiment.
* Equipped with over-temperature alarm and timing reminder functions.
* Lifting connection with linear bearing transmission technology ensures stable lifting and flexible operation.
* Adopting new ceramic fiber insulation layer technology to keep the machine shell at room temperature, achieving both heat insulation and heat preservation effects.

Technical Parameters:

Model	SFA-06S
Temp. Range	RT+5~280℃
Measuring Range	0.1~100%
Temp. Accuracy	±1℃
Sample Weight	0.5~20g (Normally 2~5g)
Capacity	6pcs/batch
Solvent Cup Volume	80ml
Solvent Recovery	≥85%
Measuring Time	Extraction time is adjustable
Consumption	1000W
Power Supply	AC 220V, 50/60Hz(Standard); 110V, 50/60Hz(Optional, external transformer or custom 110V heating accessory)
External Size(W*D*H)	650*320*680mm
Package Size(W*D*H)	730*400*760mm
Net Weight	35kg
Gross Weight	50kg



Introduction:

According to the principle of Soxhlet extraction, the fat content of grain, grain and food was determined by gravimetric method.
The product is fully automatic one-key operation design, easy to operate, stable performance, high accuracy, with: Soxhleter extraction, hot extraction, Soxhleter hot extraction, continuous flow and standard hot extraction and other automatic extraction mode.

Features:

* One-click automatic completion of the entire process: solvent cup compression, sample basket lifting (lowering), heating, soaking, extraction, reflux, solvent recovery, and valve opening/closing.
* Room-temperature soaking, hot soaking, hot extraction, continuous extraction, intermittent extraction, and solvent recovery can be arbitrarily selected and combined.
* Multiple solenoid valve operation modes: inching opening/closing, timed opening/closing, and manual opening/closing.
* Combined formula management with storage capacity for 99 different analytical programs.
* Fully automatic lifting and compressing system with high automation, reliability, and convenience.
* 7-inch color touchscreen with user-friendly interface, easy to use and learn.
* Menu-driven program editing: intuitive, easy to operate, and can be recalled cyclically multiple times.
* Up to 40 program segments, supporting multi-temperature, multi-level, or cyclic soaking, extraction, and heating.
* Integrated metal bath heating block for wide temperature range and high temperature control accuracy.
* Automatic lifting function of extraction filter cup holder ensures simultaneous immersion of samples in organic solvents, helping improve the consistency of sample determination results.
* Professionally customized components suitable for various organic solvents, including petroleum ether, ether, alcohols, chloroform, etc.
* Petroleum ether leakage alarm: the alarm system activates and stops heating when petroleum ether leakage in the working environment reaches a dangerous level.
* Equipped with two types of solvent cups (Aluminum alloy and glass) for users to choose from.

Technical Parameters:

Model	SFA-06E
Temp. Range	RT+5~300℃
Measuring Range	0.1~100%
Temp. Accuracy	±1℃
Sample Weight	0.5~15g
Capacity	6pcs/batch
Solvent Cup Volume	150ml
Solvent Recovery	≥85%
Solvent Backflow Control	Solenoid valve
Lifting System	Automatic
Display	7 inch color touch screen
Heating Power	1500W
Power Supply	AC 220V, 50/60Hz(Standard); 110V, 50/60Hz(Optional)
External Size(W*D*H)	850*280*680mm
Package Size(W*D*H)	920*370*980mm
Net Weight	70kg
Gross Weight	80kg