

# Fully Automatic Fat Analyzer

FTA206

## Features



7-inch LCD true color touch screen, with man-machine Chinese dialogue mode, easy to operate and learn.



One-button operating system: one button to complete compaction, heating, soaking, extraction, reflow, and opening and closing processes. No need to manually lift the filter paper cup or open and close the valve.

Fully automatic lifting and pressing system. High degree of automation, reliable and convenient.

Electromagnetic inching opening and closing, timing opening and closing, manual opening and closing, etc. The mulit-ways of opening and closing make soaking extraction method efficient.

The automatic lifting function of the extraction filter-paper cup holder ensures that the sample is immersed in organic solvent at the same time, which is helpful to improve the consistency of sample determination results.



## Description



According to the Soxhlet extraction principle, the analyzer uses gravimetric method to deter-mine the fat content in food, grain and food. The equipment complies with GB 5009.6-2016 "Determination of Fat in Foods by National Food Safety Standards"; GB/T 6433-2006 "Deter- mi-nation of Crude Fat in Feed"; SN/T 0800.2-1999 "Test Method for Import and Export of Crude Fat in Grain and Feed"

The product is fully automatic with one-button operation design, easy to operate, stable performance and high accuracy. And it has many kinds of automatic extraction modes such as Soxhlet extraction, hot extraction, Soxhlet hot extraction, continuous flow and standard hot extraction.

Built-in 6 kinds of extraction methods, and the user can switch function at any time. (Soxhlet extraction, hot extraction, Soxhlet hot extraction, continuous flow extraction, inching flow extraction and standard hot extraction.

## Specifications

Model	FTA206
Measuring range	0.1%-100%
Temperature control range	RT+5℃-300℃
Temperature control accuracy	±1℃
Sample quantity	6 /per time
Sample weight	0.5g-15g
Solvent cup volume	150mL
Solvent recovery rate	≥85%
System control mode	PLC
Automatic recovery	Solenoid valve
Lifting system of extractor	Automatic
Heating power	1500W
Voltage	AC~220V±10% 50Hz



Adopt integrated metal bath heating, and it ensures fast heating and uniform tempera-ture.

Organic solvent heating system with unique heating program function, meanwhile it has the common function of fix temperature and timing.

The heating temperature can be adjusted according to different reagent boiling points and the ambient temperature.

Suitable for a variety of organic solvents, including petroleum ether, ether, acetone, dichloromethane, nhexane, alcohols, and benzene of all organic solvents.

Fat Analyzer, Semi-auto Type

FTA406



Over-temperature alarming and timer reminding functions are available  
Triple alarms i.e. sound, light, LCD screen word prompts are available.



4.3" LCD screen and microcomputer control system are adopted.  
Abundant interface contents give simultaneous display of given temperature, actual temperature, given time and heating time.



Integral metal heating, wide scope and high precision of temperature control.



Electric circuit is isolated from the extraction space, ensuring device security.



Electric circuit is isolated from the extraction space, ensuring device security.



Intelligent man-machine dialogue control system.



Specifications

Model	FTA406
Temperature range	Room temperature+5℃ ~ 280℃
Measuring range	0 ~ 100%
Temperature accuracy	±1℃
Sample weight	0.5 ~ 15g(generally 2 ~ 5g, depending on sample)
Capacity per batch	6pcs/batch
Solvent cup volume	80mL
Solvent recovery	≥80%
Shortened extraction time	20 ~ 80%
Power supply	220VAC±10%, 50Hz
Power	1KW
Dimensions	650mm×320mm×715mm
Net Weight	35Kg



The lifting connection of linear bearing conduction technique gives smooth and comfortable lifting operation.

Exclusive air insulation technique leaves the case in room temperature, has thermal insulation and temperature maintenance two functions.

Fat Analyzer, Auto Type

FTA606

Features

- Fully automatic and programmable via a 7 inch color touch screen
- Automatic Solvents recovery
- Apply to all organic solvents, including ether, benzene, phenol, etc
- In-built ether leak detection device to ensure experiment safety.
- Full temperature and flow control for reduce consumption of condensed water.



Specifications

Model	FTA606
Temperature range	Room temperature +5℃ ~ 300℃
Measuring range	0.1 ~ 100%
Temperature accuracy	±1℃
Reproducibility	Relative error 1%
Weight	0.5 ~ 15g
Capacity per batch	6pcs/batch
Solvent cup volume	150mL
Solvent recovery	≥85%
Controller	External via cable
Power supply	220VAC±10%, 50Hz
Display	7 inches color touch screen
Power	2 KW
Dimensions	650mm×380mm×720mm
Net Weight	50Kg

# Soxhlet Extractor

SE-6P

### Features

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7"LCD touch screen display control, upgradable program control temperature and remote operating system
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2-6 heating system, ensure each sample is operable
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Aluminum heat module has the advantages of high temperature rise speed, high reflux speed and short extraction time.
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Adopt temperature sensor, high temperature control precision and good uniformity
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Self-contained solvent recovery function, high recovery rate, saving experimental consumables
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Built-in circulating water pipeline, easy to operate (can be upgraded to built-in cooling device)
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It has multiple protection devices for over-voltage, overheating, and leakage, and it does not need to be monitored to ensure long-term use of the machine.
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It can be upgraded to built-in cold water system, no need of external water source.



### Description

- Soxhlet extractor is widely used in the determination of oil content in feed of aquatic products, determination of oil content in leather, determination of succinic acid content in pinellia tuber, determination of polysaccharide content in ganoderma, determination of residual oil content in chemical fiber, determination of fat content in mushroom, etc.

### Specifications

Model	SE-6P
Number of samples extracted per batch	6
Controller	7-inch LCD touch screen display
Electric heating power	1800W
External dimension	750*230*775mm
Weight	28kg
Temperature control range	RT +5℃~250℃
Temperature control mode	Independent temperature control
Mode of heating	Aluminum module heating
Extraction sample volume	0-5g/ ea (with valves), 5-20g/ ea (without valves) optional
Extraction bottle volume	250ml, 500ml optional
Warming up time	About 10min
Timing function	have
Electricity	220V 10V frequency 50Hz
Measuring range	Grain, feed, grease and various fat products with oil content in the range of 0.5%-60%
Solvent recovery	Automatic solvent recovery with valve, no solvent recovery without valve
Package Dimension(W*D*H)(mm)	840*510*960
G.W.(kg)	55