SOX606
Auto Fat Analyzer

SOX606 Automatic Soxhlet Extractor, designed based on the Soxhlet extraction principle with weight method to determine the fat content. It has five extraction methods to meet different demands from customer. The whole metal heating module, heating up fast, good effect, low power consumption; access to all-round water temperature, flow control, environmental protection more economical; built-in ether leak detection device to ensure experimental safety. It is widely used in agricultural,food ,chemical,environment and other areas, especially for the drug ,soil, sludge,cleaner and other substances in the extraction of soluble organic compounds.

Features & Advantages

- Apply to all organic solvents to satisfy all demands.
- Automatic Soxhlet standard method, it customized by glass and PTFE, which can block all impurities and possess high rate of accuracy.
- One click manipulation for start and pause, that makes operation with high proficiency.
- Analyzer allows its controller to adsorb on any surface that made by iron.
- Vertical screen, more humanization.
- In-built 5 methods of extraction, handy operation.
- Preset common reagent options, one-click manipulation for repeated trials.
- The overall heating module, that possesses features of warming faster, favorable effect and low power consumption.
- Full temperature and flow control for environmental and economy.
- In-built ether leak detection device to ensure experiment safety.
- Efficient solvents recovering system for reduce experimentation cost.

Automatic extraction
One touch to start extraction, lifting, pre-heating, extraction, dilution, solvent recovery automatically.

In-built 5 unique methods of extraction, handy operation.
Include Soxhlet Extraction, Soxhlet Hot Extraction, Continue Flow Extractioin, Hot Extraction, CH Standard methods.

Apply to all organic solvents
Customized by glass and PTFE, which can block all impurities and possess high rate of accuracy, apply to all organic solvents, satisfying the requirements of users.

ECO- friendly and conservation
Full temperature and flow control for reduce consumption of condensed water.

Technical data

Temperature range	Room temperature +5℃ ～ 300℃
Measuring range	0.1 ～ 100%
Temperature accuracy	±1℃
Reproducibility	Relative error 1%
Sample weight	0.5 ～ 15g
Capacity per batch	6pcs/batch
Solvent cup volume	150mL
Solvent recovery	≥85%
Power supply	220VAC±10%, 50Hz
Power	2.6KW
Dimensions	650mm×380mm×720mm
Net Weight	50Kg

SOX406
Semi-auto Fat Analyzer

Hanon SOX406 Fat Analyzer is based on the Soxhlet extraction principle and integrates such functions as soaking, extraction, leaching, heating, condensation and solvent recovery. It features sealed metal bath heating with automatic temperature control, ensuring uniform heating and safe operation; six samples can be tested at the same time, and optimal temperature can be selected according to the difference between reagent boiling point and ambient temperature so as to achieve quick analysis; reagents can also be recycled to reduce test cost; and soaking, extraction and solvent recovery can be done in one step. Therefore, this device is characterized by reasonable design, stable performance, good reproducibility, high accuracy, easy operation, saving time and effort, and so on.

Scope of application:

SOX406 Fat Analyzer can quickly separate one substance from solid or semi-solid mixtures, can determine the soluble organic compounds contained in foods, feeds, medicines, soil, sludge, polymers, fiber products, petrochemical products, detergents, rubber, plastics and other materials.

Characteristics

- Integral metal heating, wide scope and high precision of temperature control.
- Electric circuit is isolated from the extraction space, ensuring device security.
- Timer and timing functions are available.
- Over-temperature alarming and timer reminding functions are available.

- Triple alarms i.e. sound, light, LCD screen word prompts are available.
- Abundant interface contents give simultaneous display of given temperature, actual temperature, given time and heating time.
- The lifting connection of linear bearing conduction technique gives smooth and comfortable lifting operation.
- Intelligent man-machine dialogue control system.
- Exclusive air insulation technique leaves the case in room temperature, has thermal insulation and temperature maintenance two functions.
- 4.3" LCD screen and microcomputer control system are adopted.

Technical data

Temperature range	Room temperature +5℃ ～ 300℃
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

F800
Fiber Analyzer

Hanon F800 Fiber Analyzer is with advanced design, easy operation and flexible application. It can be used in conventional Weende method to analyze crude fiber and Van Soest analysis to wash the fiber. Applies to plant, feed, food and other agricultural products as well as the determination crude fiber, neutral detergent fiber (NDF), acid detergent fiber (ADF), hemi-cellulose and acid detergent lignin (ADL).

Features and Advantages

- Hidden solution barrel pull structure designed to facilitate dosing operation, provide the safest fiber analysis.
- Corrosive liquid is not in contact with any pump body, to avoid waste discharge pump susceptible to corrosion phenomena.
- The crucible recoil function designed to prevent sample in the crucible can not caking filtration.
- With dosing overflow protection function , to prevent dosing corrosive liquid overflow due to operator error, protect the safety of the operator.
- Adjust the crucible heating power in time, enabling customers to control the heating rate easily and low down the energy consumption, ECO-friendly.
- Having a built-in pre-heating function, greatly reducing the whole experiment time.
- Provide five various specifications crucible specifications to meet the needs of different samples for standard configuration.
- Can detect crude fiber, neutral detergent fiber (NDF), acid detergent fiber (ADF), hemicellulose and acid detergent lignin (ADL).

Precise control experiment

Test time can be set free, clockwise and countdown timing functions are available, real-time reminder end of the experiment, the experimenter to facilitate precise control experiment, save test time, improve efficiency.

Integrated infrared heating technology

Advanced integrated infrared heating, more uniform heating of the crucible fast, more consistent sample extraction, higher extraction recovery, thereby improving the accuracy of test results.

Optional peripheral accessories: cool extractor. Experiments can go fat, washed with acetone extraction after detection of acid lignin and other steps.

Technical data

Measurement range	0.1% ～ 100%
Sample weight	0.5g ～ 3g
Repeatability error	Crude Fiber Content below 10%, ≤0.4%
	Crude Fiber Content above 10%, ≤1%
Capacity	6 pcs/batch
Pre-heating time	10-12min
Heating to boiling	13-15min
Rated power	2.2KW
Power supply	220 VAC ±10% 50Hz
Dimension	776mm×476mm×644mm