FA–46

Characteristics:

- Integral metal heating, wide scope and high precision of temperature control.
- Electric circuit is isolated from the extraction space, ensuring device security.
- Timer & 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 temp., actual temperature, given time and heating time.
- The lifting connection of linear bearing conduction technique gives smooth & comfortable lifting operation.
- Intelligent man–machine dialogue control system.
- Exclusive air insulation technique leaves the case in room temperature, has thermal insulation and temp. maintenance two functions.
- 5.1" LCD screen and microcomputer control system are adopted.

FA–46, Fat Analyzer

Model	FA–46
Measuring range	0–100%
Capacity per batch	6pcs./batch
Sample weight	0.5–15g (generally 2–5g depending on sample)
Solvent cup volume	80ml
Temperature range	Room temp.+5ºC – 280ºC
Temperature accuracy	±1°C
Solvent recovery	≥80%
Reproducibility	±1%
Power supply	220V 50Hz
Power	1000W

FA–46 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 & 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:

FA–46 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.
For example:
1. Quickly and safely determines the fat in foods, feeds, grains and seeds.
2. Extracts the semi–volatile organic compounds, pesticides, herbicides, etc. from soil.
3. Extracts oils from waste water or sludge.
4. Extracts plasticizer from plastic, rosin from paper or paperboard, grease from leather, etc.
5. Digests, as pretreatment, the solid samples for the gas or liquid chromatography process.

FA–5, Fat Automatic Analyzer

FA–5

Model	FA–5
Measuring range	0.1–100%
Capacity per batch	6pcs./batch
Sample weight	0.5–15g
Solvent cup volume	150ml
Temperature range	Room temp.+5ºC – 300ºC
Shortened extraction time	20—80%
Solvent recovery	≥85%
Reproducibility	Relative error 1%
Power supply	220V 50Hz
Power	2400W
Size	650mm x 348mm x 740mm

FA–5 Fat Analyzer, designed based on the Soxhlet extraction principle, is an automatic crude fat analyzer in which weight method is used to determine the fat content. Such five extraction methods as Soxhlet standard method (national standard), Soxhlet thermal extraction, thermal extraction, continuous flow and Soxhlet CH standard thermal extraction; extraction, leaching, solvent recovery and pre–drying four functions can be automatically achieved; one–piece metal bath heating is used, giving perfect heating effect; color touch screen and its concise interface design bring people new feeling; external operation panel and printing system are adopted; built–in ether leak detection device effectively prevents air pollution and well protects test safety.

FA–5, Fat Automatic Analyzer
Characteristics:
- Colorful and pleasing touch screen with concise interface design and external small–size operation panel provide easy operation & save space.
- Five exclusive extraction methods are at your option.
- Test process can be suspended or resumed at any time, offering flexible control.
- One–piece metal bath heating gives quick, uniform, stable & safe temperature rise.
- Wide scope of temperature control, applicable for the organic solvents with different boiling points.
- Independent timer and timing circulation system give accurate control of the test.
- External printing system is at your free choice and saves cost.
- Ether leak alarming ensures test operator safety at all times.
- Real–time monitoring of device abnormalities.
- Automatic cooling water control saves water & protects environment.
- Efficient solvent recovery system.

Five extraction methods and four functions
FA-5 fat analyzer boasts such five extraction methods as Soxhlet standard method (national standard), Soxhlet thermal extraction, thermal extraction, continuous flow and Soxhlet CH standard thermal extraction for user option, & such four automatic functions as extraction, leaching, solvent recovery and pre–drying. It's designed according to our investigation over 3000 users, well catering for user demands.

Powerful temperature control capacity
One–piece metal bath heating method is used, giving quick and uniform temperature rise; FA–5 dedicated timer and time control system enable user to easily obtain accurate test results.

Safe and eco-friendly
The built–in ether leak detection device, being subject to 500 rounds of tests, enjoys reliable safety performance; solvent recovery system and automatic cooling water control system show user and environment technology considerations, without worrying about any environment pollution during the test process.

Scope of application
FA–5 fat analyzer is widely used in agriculture, food, environment & industries and other fields, ideal for fat test in the food, fuel, feed and other industries, can also be used for the extraction or determination of soluble organic compounds in medicines, soil, sludge, detergents and so on.

FIA–6, Fiber Analyzer

Model	FIA–6
Measuring range	0.1–100%
Sample weight	0.5–3g (generally 1g)
Measuring capacity	6 samples/batch
Reproducibility	>1% in case of 1–30% fiber content
Accuracy	±0.1%
Power supply	220V 50Hz
Power	3.2KW
Overall Size	482mm x 560mm x 465mm
Weight	45kg

Characteristics:
- Advanced infrared heating manner gives high heating efficiency and excellent control property.
- U S. Imported filter pump boasts high acid/alkali resistance, good stability and long service life.
- High-precision acid/alkali filter device maintains samples in good condition.
- Three pre-heating routes of acid/alkali distilled water can be controlled separately, and digestion heating is under separate control, easy for setting adjustment.
- Reagent pre-heating. adding. sample filtration back flushing and other functions are all under electric and automatic control.
- Six samples can be dealt with at the same time. and sample digestion time can be set freely.
- Stable, rapid and safe automatic filtration back-flushing effectively prevents sample blockage.
- 5.7" high-definition color LCD screen displays current test status; intelligent HMI is available.

Professional core parts: FIA-6 Fiber Analyzer uses u.s. imported high acid/alkali resistant long-life filter pump & high-precision acid/alkali filter device, achieves the breakthrough of internal essential parts: high-efficient infrared tube heating greatiy enhances temperature control & heat efficiency.
Superior test assistant: FIA-6 Fiber Analyzer can deal with 6 samples at the same time, & the sample digestion time can be set freely: 3 pre-heating routes of acid/alkali distilled water can be controlled separately, giving extremely easy operation.
Intelligent software system: 5.7" high-definition color LCD screen display current working status, temp., time & other information: high-efficient infrared heating system includes 2 work modes which can be selected as needed: intelligent status locking function can prevent any accidents due to error operation: the limit of longest fluid adding time prevents solution overflowing arising from error operation.

FIA–6

FIA-6 Fiber Analyzer is an analysls Instrument used to tn the crude fiber content of samples through acidic or alkaline hydrolysis, flushing and filter process. FIA-6 functions Include automatic solution adding, automatic pre-heating and so on. Infrared tube heating is used, and high-precision soak extraction and filter ensure test precision; high-definition color LCD screen displays temperature and time.
FIA-6 Fiber Analyzer is applicable for the test of crude fiber contents of plants, feed foods and other agricultural products, and testing detergent fibers, cellulose, semi-cellulose, lignin and other relevant parameters.

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