Automatic Fat Analyzer, 6 Samples, 0.1-100% Fat, RT+5-300°C, ≥85% Solvent Recovery

Model **MSFTA606SWISS** | Brand **Master Science**





The Automatic Fat Analyzer extracts and measures fat content in six samples per batch across a range of 0.1 to 100%. It is fully automatic and programmable from a 7-inch color touch screen on an external controller connected by cable.

KEY HIGHLIGHTS

- Fully Automatic
- Solvent Savings
- Safer Ether Use
- Lower Water Use

AT A GLANCE

0.1-100% MEASURING RANGE	**RT+5°C to 300°C** TEMPERATURE RANGE
±1°C TEMPERATURE ACCURACY	

Request a Quotation
Contact us for pricing, configuration options and delivery details.

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Overview

Heating runs from room temperature +5°C to 300°C with ±1°C accuracy, and the Automatic Fat Analyzer works with organic solvents such as ether, benzene and phenol. Solvent is recovered automatically at ≥ 85%, a built-in ether leak detector improves safety, and full temperature and flow control reduces condensing water use.

For a simpler water-bath method, see our Soxhlet Fat Extractor, an alternative to the Automatic Fat Analyzer.

Classic Soxhlet glassware setups cause the issues below. The Automatic Fat Analyzer resolves each one.

Key Benefits

Fully Automatic
Programmed runs from the touch screen with minimal handling.

Solvent Savings
At least 85% of the solvent is recovered automatically.

Safer Ether Use
A built-in ether leak detector protects the operator.

Lower Water Use
Temperature and flow control reduce condensing water consumption.

Technical Specifications

UNDEFINED

Brand	Master Science
Model Number	MSFTA606SWISS
SKU	MSFTA606SWISS
Measuring Range	**0.1-100%**
Samples per Batch	6
Sample Weight	0.5-15 g
Temperature Range	**RT+5°C to 300°C**
Temperature Accuracy	**±1°C**
Reproducibility	Relative error 1%
Solvent Cup Volume	150 mL
Solvent Recovery	≥ 85%, automatic
Compatible Solvents	Organic solvents including ether, benzene, phenol
Safety	Built-in ether leak detection
Controller	External, via cable
Display	7-inch color touch screen
Power Supply	220 V AC ±10%, 50 Hz
Power	2 kW
Dimensions	650 × 380 × 720 mm
Net Weight	50 kg

PROBLEMS THE AUTOMATIC FAT ANALYZER SOLVES

Long manual extraction procedures	Programmed automatic runs handle the sequence.
Ether leak risk	A built-in detector monitors for leaks.
High condenser water use	Flow and temperature control cut consumption.

POWER

Large solvent consumption	At least 85% of solvent is recovered.

Applications

- **Crude fat determination in food**
- **Fat content analysis of feed**
- **Oil content in oilseeds**
- **Quality control in food, feed and grain labs**

Extraction

- 6 samples per batch
- 0.1-100% measuring range
- 150 mL solvent cups
- Works with ether, benzene, phenol and other organic solvents

Control

- 7-inch color touch screen
- Programmable automatic operation
- External controller via cable
- RT+5°C to 300°C, ±1°C

Safety and Efficiency

- Automatic solvent recovery ≥ 85%
- Built-in ether leak detection
- Temperature and flow control for condensing water

Standard Accessories Included

- Automatic fat analyzer main unit
- External touch-screen controller

Optional Accessories

- No optional accessories are listed for this model; contact our team for compatible items.