

INNOVATIVE TECHNOLOGIES



# Automatic Soxhlet Extractor

**TT-SOX606**



TORONTECH

## Automatic Soxhlet Extractor

The Automatic TT-SOX606 is **a high-performance fat analyzer designed based on the Soxhlet extraction method**, ideal for accurately determining fat content using the weight method. It supports five different extraction modes to meet various application needs, delivering fast heating, efficient results, and low power consumption.

Built with a full metal heating module and advanced control over water temperature and flow, the TT-SOX606 ensures both safety and energy efficiency. An embedded ether leak detection system adds another layer of safety during operation.

Widely used in agriculture, food, chemicals, and environmental research, this extractor is particularly effective for isolating soluble organic compounds from samples such as drugs, soil, sludge, cleaners, and more.



## FEATURES/ADVANTAGES

### ➤ **One-Touch Fully Automated Operation**

Starts the entire extraction process—including lifting, pre-heating, extraction, dilution, and solvent recovery—with a single press, simplifying workflow and saving time.

### ➤ **Intuitive User Interface**

Features a vertical screen layout with easy-to-use controls for starting, pausing, and repeating processes, plus preset reagent options for routine testing.

### ➤ **Enhanced Safety and Sustainability**

Includes an ether leak detection system, precise water and flow control to minimize waste, and a magnetic base for secure placement—promoting both lab safety and eco-friendly operation.

### ➤ **High Chemical Compatibility**

Constructed with PTFE and premium glass to support all organic solvents while maintaining high accuracy and preventing contamination.

### ➤ **Efficient Heating System**

Equipped with a full-metal heating module that heats up quickly, consumes less energy, and ensures consistent performance.

### ➤ **Versatile Extraction Modes**

Offers five built-in extraction methods (Soxhlet, Soxhlet Hot, Continuous Flow, Hot Extraction, and CH Standard) to handle a wide range of samples and application needs.


# TECHNICAL SPECIFICATIONS

SPECIFICATIONS	DETAILS
Temperature Range	Room temperature +5°C ~ 300°C
Measuring Range	0.1 ~ 100%
Temperature Accuracy	±1°C
Reproducibility	Relative error 1%
Sample Weight	0.5 ~ 15g
Capacity per Batch	6pcs/batch
Solvent Cup Volume	150mL
Solvent Recovery	≥85%
Controller	External via cable
Voltage	220VAC±10%, 50Hz (110V is also available upon request)
Display	7 inches color touch screen
Power	2.6KW
Dimensions	25.6 inches X 15 inches X 28.3 inches
Weight	110.2 lbs.




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