

Fiber Analyzer

HM-CXW



Product Overview

The Crude Fiber Analyzer is an easy-to-operate and flexible fiber content testing instrument, applicable for the determination of crude fiber via the traditional Weende method and neutral detergent fiber via the Van Soest method. Based on the principle of acid-alkali washing, it integrates acid treatment, alkali treatment and rinsing in one unit. It adopts a fully enclosed process of electric heating, liquid adding, digestion, suction filtration and rinsing to determine fiber content. The instrument is suitable for the determination of crude fiber in plants, feed, food and other agricultural and sideline products, as well as the testing of neutral detergent fiber, cellulose, hemicellulose and other relevant parameters. Its test results comply with the provisions of **GB/T5515** and **GB/T6434**.

Product Features

1. Adopts an imported chip integrated circuit control system to ensure the high quality and high standard of the instrument.
2. Equipped with a 7-inch ultra-fine color screen with dynamic UI display, featuring a clear and simple interface for easy operation.
3. **High-suction filter pump** made of corrosion-resistant solvent material, solving the problem of insufficient suction in traditional equipment.
4. **Mechanical switch-free body design** with corrosion-resistant and high-sensitivity valve island sets for more efficient and smooth operation.
5. Custom semi-circular silicon carbide heater for rapid heating, stable temperature control and long service life.
6. Built-in back-blow pump to solve the problem of sample caking in the crucible that hinders suction filtration.
7. **External reagent preheating barrel** for preheating reagents before experiments, shortening the test time effectively.
8. **Program with anti-overflow function** to prevent the spillage of corrosive liquids caused by misoperation during liquid adding, ensuring the operator's safety.
9. **Capable of detecting** crude fiber, neutral detergent fiber, hemicellulose, cellulose, lignin and other substances.



Technical Parameters

Detection Range: 0–100%

Sample Weighing: 0.5–3.0g

Samples Per Batch: 6

Temperature Control Accuracy: $\pm 0.1^{\circ}\text{C}$

Heating Method: Semi-circular silicon carbide heater

Repeatability: -For crude fiber content below 10%: $\leq 0.4\%$ -For crude fiber content above 10%: $\leq 1\%$

Display: 7-inch color touchscreen

Liquid Injection: Program-controlled, automatic

Control Mode: UI dynamic interface, one-touch operation

Power Supply: 220V $\pm 10\%$, 50–60Hz

Power Output: 1500W (main unit); 1200W (anti-dry-burn liquid heater)

Dimensions: 620×440×655mm

Weight: 45kg



Configuration List

Host	*1	Cleaning Column	*6
Crucible	*6	Two Plug-in Three-core Cables	*2
Liquid Heater	*1	Rubber Tube	*6
Certificate of Conformity	*1	Instruction Manual:	*1