

F20 Automatic Filter Bag Fiber Analyzer

F20 — Automatic Filter Bag Fiber Analyzer

Overview

The F20 automatic filter-bag fiber analyzer replaces the crucible extraction method, eliminating its drawbacks: excessive labor and time, poor temperature control, residue loss, and safety risks for operators. For batch determination it delivers high efficiency, stable results, and lower reagent consumption — in a compact benchtop design with a high-pressure sealed reaction system.

The F10 model is also available in this series.

Features

- The color LCD touch-screen is equipped, simple interface for the user's easy and convenient operation.
- Automatic digesting, manually inlet the solvent, function of heating and accurate temperature control, automatic stirring, waste discharging and cleaning could all be realized through the touch-screen.

Specifications

Temperature range	Ambient-100 °C
Sample size	0.1-5.0 g
Measuring range	0.1%-100%
Time consumption per determination	120 min
Capacity per batch	Up to 30 samples simultaneously
Capacity per day	About 90-180 (8-hour working day, depending on fiber type)
Repeatability	RSD ≤3.0%
User-defined schemes	No
Solvent adding	Manual
Filter bag pore size	25 μm standard (10 μm / 15 μm optional)
Safety requirement	Enclosed space, off-hand operation
Installation requirement	Routine laboratory environment, no cooling water needed
Power supply	AC 220 V, 50 Hz
Dimensions	375×500×450 mm
Weight	25 kg

All technical parameters are subject to change without notice.

Applicable standards

ISO 6865 · ISO 16472 · AOAC 2002.04 · ISO 13906

Application fields

For crude fiber, acid detergent fiber (ADF), neutral detergent fiber (NDF), lignin and insoluble dietary fiber determination.

Specifications as published at www.sino-sonnen.com. Final configuration is confirmed per order — request a quotation: info@sino-sonnen.com · R&D: Jiading District, Shanghai · Manufacturing: Luoyang, Henan, China