

Filter Media Testing Instrument

This instrument is designed for comprehensive evaluation of filter media performance. It enables precise measurement of filtration efficiency, pressure drop, and dust holding capacity of various filter materials.



Overview

Advanced Filter Testing Solution

This modular testing system is designed for the comprehensive evaluation and automation of filter test channels. It facilitates precise quality assurance and development testing for room air filters by integrating high-resolution aerosol spectrometers and automated measurement processes. The system ensures high repeatability and reliability in determining fraction separation efficiencies, supporting international testing standards.

Standards Compliance

Supported Testing Standards

EN 779:2012, ASHRAE 52.2, ISO FDIS 16890

System Components

Core System Components

- Aerosol spectrometer
- Laptop/PC and monitor
- Aerosol generators
- Sampling system
- Automation software
- Discharge unit (optional)

Technical Capabilities

Key Measurement Metrics

2.5 μm

PM2.5 Measurement

10 μm

PM10 Measurement

Compatible Aerosol Types

Dusts (A1-A4), Salts (KCl/NaCl), Oils (DEHS), Suspensions

System Features

Software Capabilities

- Fully automatic test execution
- Standard-compliant test report generation
- High-resolution data acquisition