

Filter Media Testing System

This modular filter system is designed for evaluating flat filter media and small minifilters. It accurately determines pressure loss curves, fraction separation efficiency, and burden in a short amount of time.



Overview

High-Performance Filter Testing

The Filter Media Testing System is a laboratory-grade instrument engineered for the precise determination of fraction separation efficiency in HEPA and ULPA filter media. Designed for R&D and quality control, it utilizes advanced U-SMPS technology to deliver real-time particle size and quantity analysis. The system features a modular design that supports automated test sequences, ensuring reliable and cost-effective evaluation of pressure loss, filtration efficiency, and loading capacity.

Measurement Capabilities

Particle Measurement Range	5nm to 1 μ m
Raw Gas Concentration Limit	2000000 Particles/cm ³
Clean Gas Concentration Limit	10000 Particles/cm ³
Effective Dilution Factor	1:200

Technical Specifications

Aerosol Neutralization Options

- Krypton source Kr-85-370
- Soft x-ray Charger XRC 370

Compliance Standards	DIN EN 1822-3, ISO 29463-3
Compatible Aerosols	DEHS, KCl, NaCl
Inflow Speed Range	1.5 to 40 cm/s

Key Features

System Highlights

Real-time measurement • Automated test sequences • Modular design • No dilution system required • Integrated drying system