

# Three-Channel Filter Efficiency Testing Machine

This three-channel filter efficiency testing machine tests filtration efficiency and resistance. It is suitable for non-woven and glass fiber filter materials, as well as new filter materials.



## Overview

### Professional Filter Efficiency Testing

The Three-Channel Filter Efficiency Testing Machine is designed to evaluate the filtration efficiency and air resistance of various filter materials, including non-woven and glass fiber media. It provides high-precision testing capabilities suitable for research, development, and stringent quality control applications. By supporting multiple international standards, this instrument ensures reliable compliance for the respiratory and air filtration industries.

## Technical Specifications

### Test Flow Rates

- 32
- 85
- 95

### Filter Test Area

100 cm<sup>2</sup>

## Performance Metrics

### Resistance Detection Range

**0 Pa**

Min Resistance

**1250 Pa**

Max Resistance

### Efficiency Detection Range

85% - 99.999%

### Aerosol Distribution Uniformity

10 %

## Compliance Standards

### Certified Standards

42CFR84-2005, EN149:2001, GB19083-2003, GB/T2626-2006, EN1822, IEST-RP-CC021.1

## System Configuration

### System Components

- Filter part
- Spray part
- Flow sharing section
- Filter installation part
- Detection, control and data processing output section
- Fan power part