MFP 3000 C







 $Version\,MFP\,3000\,C\,is\,specially\,tailored\,to\,the\,requirements\,of\,the\,DIN\,71460\,and\,ISO\,11155-1\,Road\,vehicle\,interior\,filters\,measurement\,procedures.$

BENEFITS

- Virtually simultaneous particle measurement in the raw gas and clean gas
- Particle size measurements from $0.2-40~\mu m$
- Measurement of $C_{n \text{ max}} = 10^5 \text{ particles/cm}^3 \text{ without dilution}$
- Internationally comparable measurement results
- · High reproducibility of the testing method
- Easy use of different test aerosols, e.g. SAE Fine and Coarse, NaCl/KCl, DEHS
- Highest raw gas concentrations of up to > 100 mg/m 3 (ISO Fine) or > 500 mg/m 3 (ISO Coarse) with measurement of the fraction separation efficiency for burden tests
- Flexible filter test software FTControl
- Sequence programs for pressure loss measurements, measurements of fraction separation efficiency and burden measurements
- Easy to operate
- Short set-up times
- Cleaning and calibration can be performed autonomously by the customer
- Easy use of the measurement technology components even in other applications
- Mobile setup, easy to move on castors
- Validation of the clear function of individual components and the overall system during pre-delivery acceptance testing and upon delivery

FEATURES

- Measurement of fractional efficiency and pressure loss vs. volume flow
- Use of the Promo® 3000 aerosol spectrometer

https://www.palas.de/en/product/mip3000cgas

Customized filter adapters and adaptations in the air duct possible

APPLICATIONS

- Testing of filter media and small filter elements in product development and during production monitoring.
- Testing option based on ISO 11155-1 / DIN 71460-1 (cabin air filters).



DATASHEET

Aerosols	Dusts (e.g., SAE dusts), salts (e.g., NaCl, KCl), liquid aerosols (e.g., DEHS)	Test area of the medium	100 cm ²
Measurement range (size)	0.2 – 40 μm	Measurement range (mass)	Up to 1,000 mg/m³ (depending on the version)
Volume flow	1 – 35 m ³ /h - suction mode	Differential pressure measurement	0 – 1,200 Pa selectable, 0 – 2,500 Pa selectable, 0 – 5,000 Pa selectable
Inflow velocity	5 cm/s – 1 m/s (others on request)	Compressed air supply	6 – 8 bar
Dimensions	2.500 • 680 • 1.550 mm (H • B • T)		

NORMS AND CERTIFICATES

ISO 5011, ISO/TS 19713, DIN 71460, ISO 11155-1, EN 779, ASHARE 52.2, ISO 16890