



MFP 4000 with two Promo® aerosol spectrometers for **simultaneous determination of fraction separation efficiency**

## Benefits

- Simultaneous particle measurement in the raw gas and clean gas
- Particle size measurements from 0.2 – 40 µm
- Measurement of  $C_{n\ max} = 10^6$  particles/cm<sup>3</sup> without dilution
- Internationally comparable measurement results
- Widespread distribution of the measurement system
- 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 > 1000 mg/m<sup>3</sup> (ISO Fine) or > 5000 mg/m<sup>3</sup> (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, even untrained personnel can be instructed quickly in the use of the equipment
- 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

## Applications

- For filter media and small filter elements
- product development/ during production monitoring.
- Testing based on ISO 11155-1 / DIN 71460-1 (cabin air filters)
- Testing based on ISO 5011 (engine pre-air filters)
- Testing based on ISO 16890 (room air filters)
- Other standards in various versions.



<https://www.palas.de/product/mfp4000>

# MFP 4000

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