MFP 3000 M

Version for testing filter media better than ISO 5011 / ISO TS 19713 engine air filters

Benefits

- Virtually 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^3 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^3 (ISO Fine) or > 5000 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, 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

- Testing of filter media and small filter elements in product development and during production monitoring.
- Testing based on ISO 5011 (engine air intake filters)

https://www.palas.de/product/mfp3000m

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Datasheet

Parameter	*Description*
Measurement range (size)	0.2 – 40 µm
Volume flow	1 – 35 m^3/h (suction mode)
Dimensions	680 • 2,500 • 1,550 mm (W • H • D)
Inflow velocity	5 – 100 cm/s (others on request)
Differential pressure measurement	0 – 5,000 Pa
Test area of the medium	100 cm^2
Aerosols	Dusts (e. g. SAE dusts), salts (e. g. NaCl, KCl), liquid aerosols (e. g. DEHS)
Aerosol concentrations	For SAE Fine without additional dilution up to 1,000 mg/m^3 (ISO A2 Fine)
Compressed air supply	6 – 8 bar

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