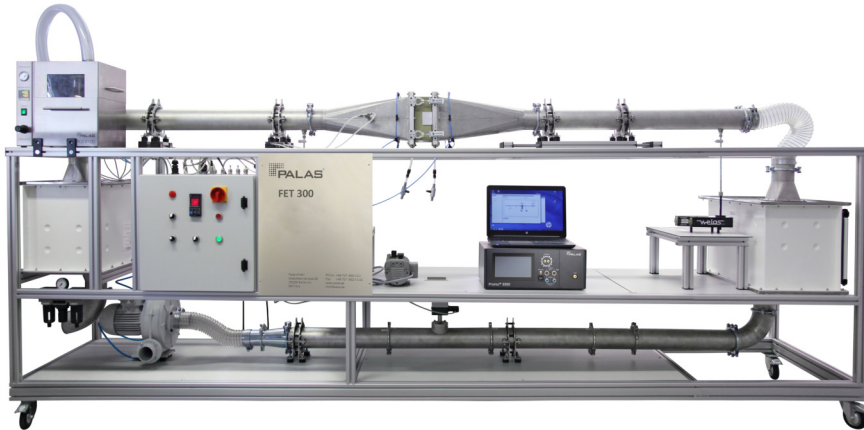


# FET 300



Test system for medium filter elements up to a cross-sectional area of 300 • 300 mm

## BENEFITS

- Accurate, versatile testing
  - Measurement according to ISO 29463-5, as well as ISO 16890 (ISO ePM<sub>1</sub>; ISO ePM<sub>2,5</sub>) possible in one channel
  - Use of measurement technology in FET 100 and FET 600; dual channels on request
  - Particularly wide range of application for separation efficiency measurement from 0.02 to 40 μm
  - Measurement of dust holding capacity possible
- Flexibility and ease of use
  - Customization of filter adapters, flow channel and measuring ranges possible for optimal test performance
  - Modular compact design for middle sized filter elements, low space requirement
  - Horizontal design for minimization of particle losses
  - Calibration of raw gas/pure gas not necessary, because only one sampling and one measuring device is used
- Safety
  - Logged results based on relevant standards
  - Factory tested and calibrated test stands

## APPLICATIONS

- Development
- Quality control for
  - Cabin filters
  - HEPA/ULPA clean room filters
  - Cabin air filters
  - Engine air filters
  - Compressor supply air filters
- Measurement of MPPS according to ISO 29463-5
- Measurement of the fractional separation efficiency according to ISO 16890
- Determination of the pressure loss at different volume flows
- Determination of dust holding capacity

## DATASHEET

Measuring range (total penetration)	Up to 0.0005 %
Measurement range (size)	0.02 – 100 $\mu\text{m}$
Volume flow	2 – 200 $\text{m}^3/\text{h}$ - pressurized operation
Differential pressure measurement	0 – 1,200 Pa selectable, 0 – 2,500 Pa selectable, 0 – 5,000 Pa selectable
Aerosols	Dusts (e.g., SAE dusts), salts (e.g., NaCl, KCl), liquid aerosols (e.g., DEHS), latex particles
Size filter element	300 • 300 • 300 mm



Further information:  
<https://www.palاس.de/product/FET300>