

Palas® Training Course “Filter Testing”

Wednesday, 11 September 2019, 8:30 am to 4:30 pm

Palas GmbH, Greschbachstr. 3b, 76229 Karlsruhe, Germany

Content

Application of the filter test rigs MFP 3000 G (measurement of the fractional efficiency and loading), MFP Nano *plus* (HEPA/ULPA: MPPS measurement) and MMTC 2000 (dedusting and measurement of the particle emission)

Theory (focus 1/2):

1. Operation principle and special features of the Palas® filter test rigs MFP 3000 G (ISO 16890), MFP Nano *plus* and MMTC 2000
2. Application areas and selection of the aerosol generators and optical particle measurement systems *welas*® digital and *Promo*® as well as the corresponding aerosol sensors

Practice (focus 1/2):

1. Start-up of the filter test rigs MFP 3000 G (ISO 16890), MFP Nano *plus* and MMTC 2000, presentation of the software
2. Demonstration of the functionality:
 - a. Dosing constancy
 - b. Correlation ratio (comparison of upstream and downstream measurement)
 - c. Differential pressure measurement and volume flow
 - d. Leak test
3. Providing the correct measurement conditions
 - a. Avoidance of coincidence errors
 - b. Difference between the beginning of the fractional efficiency and loading measurement
4. Possibilities of the software evaluation of the data
5. Maintenance and calibration
6. Remote control and Palas® support

Speakers:



Dipl.-Ing. (FH) Sven Schütz
Sales & Applications Engineer



Dipl.-Ing. (FH) Martin Schmidt
Division Manager Aerosol
Technology and Filter Test Systems