

# DEMC 1000



The DEMC size classifier (as defined in ISO 15900:2000) selects aerosol particles from an aerosol stream according to their electrical mobility. Different lengths of columns are available depending on the size range to be selected. Depending on the configuration of the control unit and column, the designation changes accordingly.

## BENEFITS

- The user is able to select any size within the defined size range.
- The DEMC can be connected to many counters to form an SMPS.
- Continuous and fast-scanning principle of measurement
- Graphic display of measurement values
- Intuitive operation using 7" touchscreen and GUI
- Integrated data logger
- Low maintenance
- Reliable function
- Reduces your operating expenses

## APPLICATIONS

- Calibration of condensation particle counters (CPC)
- Monodisperse particle source
- System component of an SMPS

## MODEL VARIATIONS



### DEMC 1000 X

Differential electrical mobility classifier from 4 – 600 nm with integrated X-ray ionization

<https://www.palas.de/product/demc1000x>

## DATASHEET

Volume flow (sheath air)	2.5 – 14 l/min	Size channels	Max. 256 (128/decade)
User interface	Touchscreen, 800 • 480 pixel, 7" (17.78 cm)	Data logger storage	4 GB
Software	PDAnalyze	Classifying range (size)	4 – 600 nm
Installation conditions	+5 – +40 °C (control unit)	Impactor	Nozzle for 3 different cut-offs
Adjustment range (voltage)	1 – 10,000 V	Data Management	Prepared for connection to the Palas@Cloud MyAtmosphere ("MyAtmosphere-ready"); internet access and separate registration required. MyAtmosphere terms and conditions of use apply.