

# DEMC 1000 X



A soft X-ray source as a neutralizer is already integrated. The advantage instead of a radioactive neutralization (for example, with Kr-85) is that there is no need to follow requirements during transportation.

## OPERATION PRINCIPLE

## 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

## NORMS AND CERTIFICATES

ISO 15900:2010, CEN/TS 17434:2020

## DATASHEET

|                            |  |
|----------------------------|--|
| Volume flow (sheath air)   | 2.5–20 l/min (others on request)   |
| Size channels              | Max. 256 (128/decade)  |
| User interface             | Touchscreen, 800 • 480 pixel, 7" (17.78 cm)  |
| Data logger storage        | 4 GB   |
| Software                   | PDAnalyze  |
| Power supply               | 90 – 264 V, 50/60 Hz   |
| 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   |
| Neutralizer                | XRC 049  |
| Data Management            | Prepared for connection to the Palas Cloud MyAtmosphere ("MyAtmosphere-ready"); Internet access and separate registration required. The MyAtmosphere terms of use apply. |

## APPLICATIONS

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



Mehr Informationen:

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