

U-SMPS 2050 X/2100 X/2200 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

- Particle size distributions from 4 nm to 1.2 μm
- Continuous and fast-scanning principle of measurement
- High resolution in up to 128 size classes/decade
- Suitable for concentrations of up to 10^8 particles/ cm^3
- Universally connects to DMAs and nanoparticle counters from other manufacturers
- Graphic display of measurement values
- Intuitive operation using 7" touchscreen and GUI
- Integrated data logger
- Supports multiple interfaces and remote access
- Low maintenance

* Please contact Palas® for further details.

NORMS AND CERTIFICATES

ISO 15900:2010, ISO 27891:2015, CEN/TS 17434:2020

DATASHEET

| | |
|-----------------------------------|--|
| Measurement range (number C_N) | 0 – 10 ⁸ particles/cm ³ |
| Measurement range (size) | 4 – 1,200 nm |
| Volume flow | 0.5 – 3 l/min |
| Volume flow (sheath air) | 2.5–20 l/min (others on request) |
| Size channels | Max. 256 (128/decade) |
| Interfaces | USB, Ethernet (LAN), AUX, RS-232 (CPC only) |
| 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 |
| Installation conditions | +10 – +30 °C (others on request) |
| Adjustment range (voltage) | 1 – 10,000 V(UP and DOWN scan possible) |
| 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

- Filter test
- Aerosol research
- Environmental and climatic studies
- Inhalation experiments
- Interior and workplace measurements



Mehr Informationen:
<https://www.palas.de/en/product/usmps2050x2100x>