

# 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.

## BENEFITS

- Particle size distributions from 4 nm to 1.2  $\mu\text{m}$
- 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/ $\text{cm}^3$
- 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
- Reliable function
- Reduces your operating expenses

\* Please contact Palas® for further details.

## APPLICATIONS

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

## DATASHEET

Measurement (number $C_N$ )	range		Measurement (size)	range	4 – 1,200 nm
		0 – 10 <sup>8</sup> particles/cm <sup>3</sup>			
Volume flow		0.5 – 3 l/min	Volume flow (sheath air)		2.5 – 14 l/min
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	Installation conditions		+10 – +30 °C (others on demand)
Adjustment (voltage)	range	1 – 10,000 V(UP and DOWN scan possible)	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.