

U-SMPS 1050 X / 1100 X / 1200 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 440 nm
- Continuous and fast-scanning principle of measurement
- High resolution in up to 64 size classes / decade
- Suitable for concentrations of up to 10^8 particles/cm³
- 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 range (number C_N)		Measurement range (size)	4 – 440 nm
	0 – 10 ⁸ particles/cm ³		
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	Power supply	115 – 230 V, 50/60 Hz
Installation conditions	+10 – +30 °C (others on demand)	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. MyAtmosphere terms and conditions of use apply.