# 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/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
- $\bullet\;$  Supports multiple interfaces and remote access
- Low maintenance
- \* Please contact Palas® for further details.

#### **APPLICATIONS**

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

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## **DATASHEET**

$\begin{array}{ll} \text{Measurement} & \text{range} \\ \text{(number } C_N) \end{array}$	0 – 10 <sup>8</sup> particles/cm <sup>3</sup>	Measurement range (size)	4 – 440 nm
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	115 – 230 V, 50/60 Hz
Installation conditions	+10 - +30 °C (others on request)	Adjustment range (voltage)	1 – 10,000 V
Neutralisierer	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.

## **NORMS AND CERTIFICATES**

ISO 15900:2010, ISO 27891:2015