

U-SMPS 1050/1100/1200



Universal scanning mobility particle sizer for various applications (4 – 600 nm)

Benefits

- Particle size distributions from 4 nm to 1.2 μm
- 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

Model Variations



U-SMPS 1050 X / 1100 X / 1200 X
Universal scanning mobility particle sizer
for various applications of 4 – 600 nm with
integrated X-ray ionization

<https://www.palas.de/product/usmps1050x1100x1200x>

<https://www.palas.de/product/usmps105011001200>

U-SMPS 1050/1100/1200



Datasheet

<i>Parameter</i>	<i>Description</i>
Measurement range (size)	4 – 440 nm
Size channels	up to 256 (128/decade)
Measurement range (number C_N)	0 – 10 ⁸ particles/cm ³
User interface	Touchscreen, 800 • 480 pixel, 7" (17.78 cm)
Power supply	115 – 230 V, 50 – 60 Hz
Data logger storage	4 GB
Software	PDAnalyze
Adjustment range (voltage)	1 – 10,000 V
Volume flow (sheath air)	2.5 – 14 l/min
Installation conditions	+10 – +30 °C (others on demand, control unit)

Palas GmbH
Partikel- und Lasermesstechnik
Greschbachstrasse 3 b
76229 Karlsruhe
Germany

Managing Partner:
Dr.-Ing. Maximilian Weiß, Udo Fuchslocher
Commercial Register:
register court: Mannheim
company registration number: HRB 103813
USt-Id: DE143585902



Contact: E-Mail: mail@palas.de Internet: www.palas.de Tel: +49 (0)721 96213-0 Fax: +49 (0)721 96213-33