

U-SMPS 2050/2100/2200



Universal scanning mobility particle sizer for various applications (8 – 1200 nm)

Benefits

- Particle size distributions from 8 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
- 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 2050 X / 2100 X / 2200 X
Universal scanning mobility particle sizer
for various applications of 8 – 1200 nm
with integrated X-ray ionization

<https://www.palas.de/product/usmps2050x2100x2200x>



<https://www.palas.de/product/usmps205021002200>

U-SMPS 2050/2100/2200



Datasheet

<i>Parameter</i>	<i>Description</i>
Interfaces	USB, LAN, WLAN, AUX, RS-232 (CPC only)
Measurement range (size)	
	8 - 1,200 nm
Size channels	up to 256 (128/decade)
Measurement range (number C_N)	0 - 10 ⁸ particles/cm ³
User interface	Touch screen, 800 • 480 pixels, 7" (17.78 cm)
Data logger storage	
	4 GB
Software	PDAnalyze
Adjustment range (voltage)	1 - 10.000 V (UP- und DOWN-Scan möglich)
Volume flow (sheath air)	
	2.5 - 14 l/min
Installation conditions	
	+10 - +30 °C (others on demand, control unit)
Aerosolvolumenstrom	0,5 - 3 l/min

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

Managing Partner:
Dr.-Ing. Maximilian Weiß
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