

U-SMPS 1700



Universal scanning mobility particle sizer for high concentrations of 2 – 400 nm

Benefits

- Particle size distributions from 2 to 400 nm
- 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/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

Applications

- Filter test
- Aerosol research
- Inhalation experiments
- Workplace measurements

Model Variations



U-SMPS 1700 X

Universal scanning mobility particle sizer for high concentrations of 4 – 600 nm with integrated X-ray ionization

<https://www.palas.de/product/usmps1700x>

<https://www.palas.de/product/usmps1700>

U-SMPS 1700



Datasheet

| Parameter | Description |
|-----------------------------------|---|
| Measurement range (size) | 2 - 400 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) |
| 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 | +5 - +40 °C (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