U-SMPS 1700 X

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

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/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

Applications

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

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

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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	Touch screen, 800 • 480 pixels, 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)
Neutralizer	XRC 049

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