

# U-SMPS 1700 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.

## OPERATION PRINCIPLE

## 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<sup>3</sup>
- 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

## DATASHEET

Measurement range (number $C_N$ )	$10^5 - 10^8$ Partikel/cm <sup>3</sup>
Measurement range (size)	2 – 440 nm
Volume flow (sheath air)	2.5 – 14 l/min
Size channels	Max. 256 (128/decade)
User interface	Touchscreen, 800 • 480 pixel, 7" (17.78 cm)
Data logger storage	4 GB
Software	PDAnalyze
Installation conditions	+5 – +40 °C (andere auf Anfrage)
Adjustment range (voltage)	1 – 10,000 V
Neutralizer	XRC 049
Data Management	Prepared for connection to the Palas Cloud MyAtmosphere ("MyAtmosphere-ready"); internet access and separate registration required. MyAtmosphere terms and conditions of use apply.

## APPLICATIONS

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



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