

Defined charge distribution for SMPS measurements
by means of X-ray ionization



Benefits

- Reliable method for setting defined bipolar charge distributions
- Powerful alternative to radioactive neutralizers
- Flexibility in operation, no additional operating licence required**
- Can be integrated into U-SMPS / DEMC control unit
- After switching on full performance available, after switching off no further ionization
- Suitable for concentrations up to 10^7 particles/cm³
- Reduces your operating costs!

** Regulations and requirements can vary depending on the state/country

Applications

- Neutralization for SMPS systems
- Neutralization for filter test systems
- Neutralization for diverse measuring tasks and to avoid particle losses due to electrostatic deposition
- Aerosol research
- Laboratory and field measurements



<https://www.palas.de/product/xrc049>

Datasheet

Parameter	Description
Volume flow	up to 5 l/min
Power supply	115 – 230 V, 50 – 60 Hz
Housing	Aluminium
Maximum particle number concentration	10 ⁷ particles/cm ³
Carrier/dispersion gas	Air, nitrogen
Aerosol outlet connection	Ø _{outside} = 8 mm, Ø _{inside} = 6 mm
Special features	requires no certification in most countries
Activity of the radiator	4.9 keV
Type of radiation	γ radiation
Operation principle	Ionisation with X-rays
Mains fuse	F5A, 250 V
Aerosol inlet connection	Ø _{outside} = 8 mm, Ø _{inside} = 6 mm

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