

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

Palas GmbH
 Partikel- und Lasermesstechnik
 Greschbachstrasse 1
 76229 Karlsruhe
 Germany

Managing Partner:
 Dr.-Ing. Maximilian Weiß, Dr. Daniel Auer
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