



The XRC 049 is a neutralizer based on X-ray ionization. It can be used the same way as the Kr-85-370 (for example, in SMPS systems), i.e., when the measurement task requires a reliable and defined aerosol charge distribution. The XRC 049 is especially suitable for mobile measurements performed at different locations, as there are no official transport requirements that must be considered in most countries.

优势

- 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

应用领域

- 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

技术数据

颗粒物最大数量浓度	10 ⁷ particles/cm ³	体积流量	Up to 5 l/min
外壳	Aluminium	电源	115 – 230 V, 50/60 Hz
Carrier/dispersion gas	Air, nitrogen	Aerosol outlet connection	Ø _{inside} = 6 mm, Ø _{outside} = 8 mm
Activity of the radiator	4.9 keV	Type of radiation	γ radiation
工作原理	Ionisation with X-rays	Mains fuse	F5A, 250 V
Aerosol inlet connection	Ø _{inside} = 6 mm, Ø _{outside} = 8 mm	Special features	Requires no certification in most countries