XRC 049



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.

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/cm^3
- 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

Maximum particle number concentration	10^7 particles/cm^3
Volume flow	Up to 5 l/min
Housing	Aluminium
Power supply	115 – 230 V, 50/60 Hz
Carrier/dispersion gas	Air, nitrogen
Aerosol outlet connection	$Ø_{inside}$ = 6 mm,Øoutside= 8 mm
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	$Ø_{inside}$ = 6 mm,Øoutside= 8 mm
Special features	Requires no certification in most countries