

Product datasheet

IONER Corona Charger CC-8020



Applications

- Aerosol sizing in the 5-35 nm range.
- Nanoaerosol charging for collection

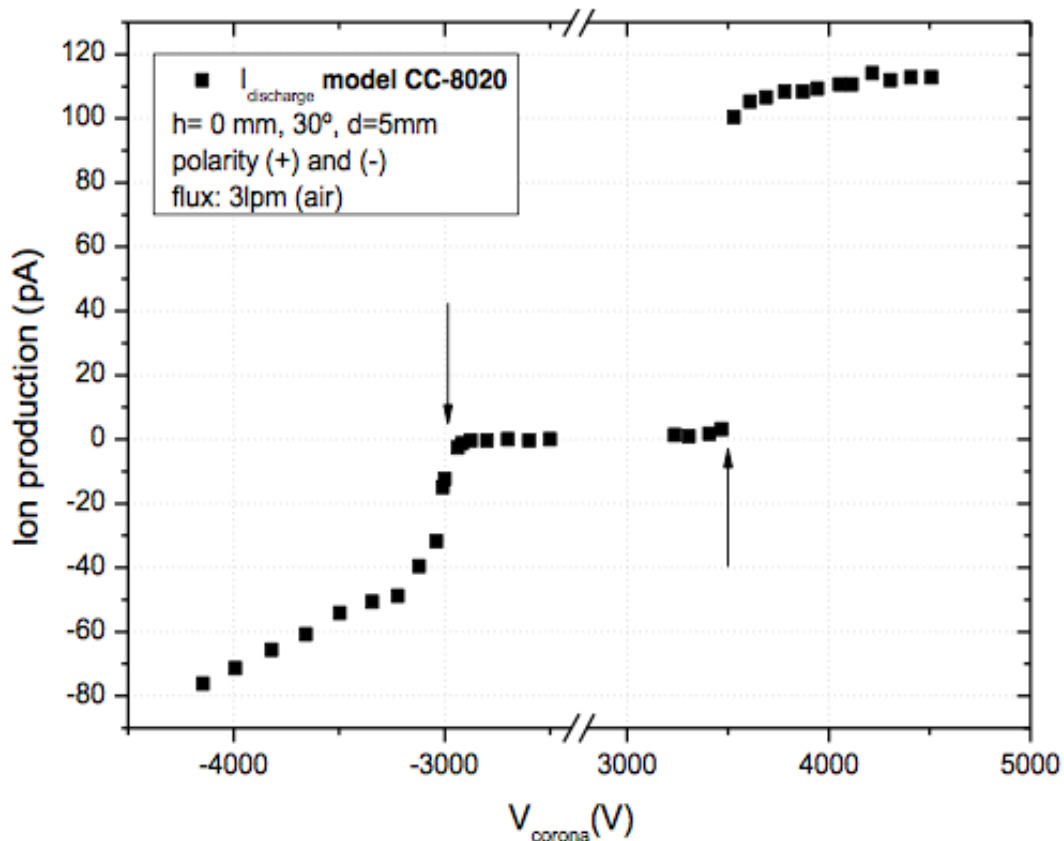
Description

The IONER CC-8020 is a non-radioactive, unipolar, reversible particle charger designed to charge the particles by diffusion of the ionized air species adsorb onto particle surface.

This unipolar charging system is highly efficient in the low-nm range and its charging laws have been fully characterized (1), so sizing in the range 5-35 nm can be performed. The CC-

8020 can be set by the user on both, positive and negative polarities. It has been designed to prevent filamentary discharge, avoiding electrode erosion and generation of vapours.

The CC-8020 has been characterized for different operating conditions. Useful for most of the charging needs for aerosol and volatile measurements.



Specifications

Maximum air flow	10 l/min
High voltage	5 kV
weight	5 Kg.
Dimensions	300 x 130 x 210 mm
Frequency	50 – 60 Hz
Nominal Voltage	100 -240 VAC
Max. Consumption	100 W
Working Temperature range	5 – 40 oC
Humidity working range*	5 – 80 %
Air inlet connection	Fast connection 6 mm
Air outlet connection	1/4 Compression fitting