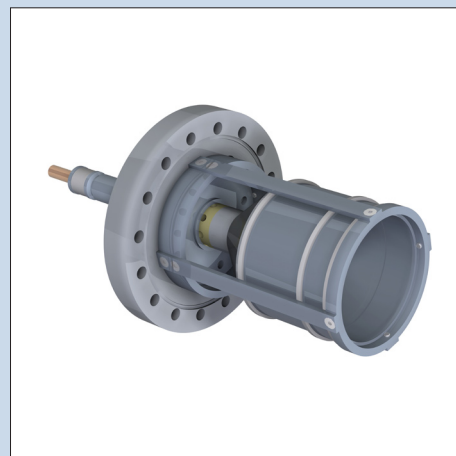


High Power Faraday Cup

name	High Power Faraday Cup
category	Ion Beam Diagnostics
catalog no.	22002
description	High Power Faraday Cup with a beam power of up to 100 Watts



	parameters
Max. beam diameter	
Max. beam current	
Max. energy	
Max. operating pressure	
Max. baking temperature	
Vertical travel of the system	

media supply	parameters
High voltage supply MCP	
High voltage supply phosphor-screen	

detailed description

Faraday cup for current and charge measurement of ions and electrons with power feeding of up to 100 Watts without water cooling.

The power is transferred by a high current copper feedthrough which also provides for the current and charge measurement.

A suppressor electrode serves for the suppression of secondary electrons.

- size of Faraday cup and aperture as well as electrode material upon customers specification

Faraday cup mounting as end cup or in-beam travel

High Power Faraday Cup

* All dimensions given in mm

delivery contents

Accessories:

- Vacuum chamber
- Mechanical and electric feedthroughs
- Voltage supply for suppressor electrode
- Picoamperemeter for current measurement
- Electrometer for charge measurement
- Amplifier (current voltage converter)
- Control and readout software

Optional:

- Water cooling
- Shutter (water-cooled)