



DANFYSIK

The Danfysik Faraday cup is used to measure the electrical current of an ion beam and consists of a shielded and isolated copper cup attached to a flange-mounted motion actuator.

The combination of a ring suppression electrode and a suppression magnet array ensures negligible loss of secondary electrons, and thus excellent reading accuracy.

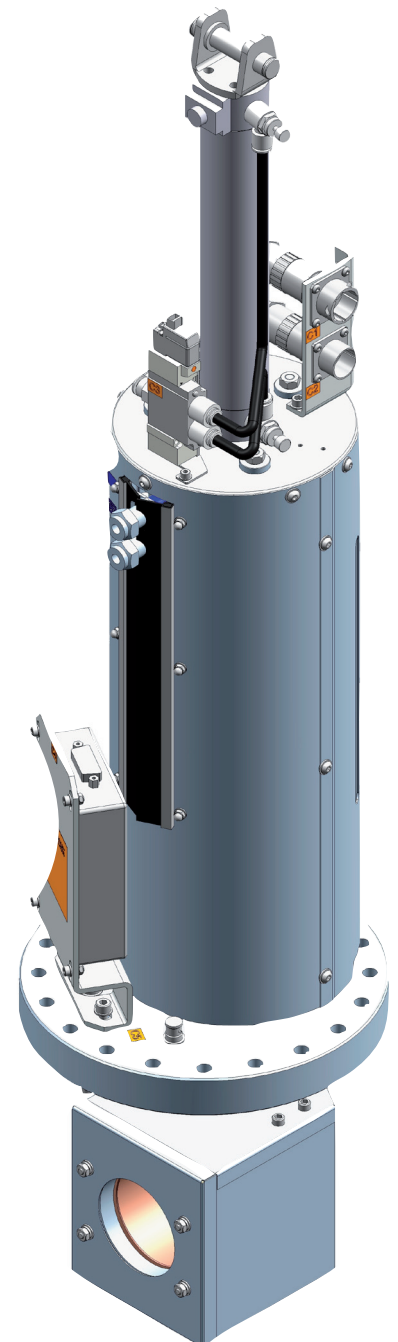
- AC and DC currents in the range 0 to 100mA
- High and low power devices (cooled and uncooled) available
- Maximum power for continuous DC beam*: 360W (cooled system), 10.5W (uncooled system)
- Pneumatic actuator for positioning in/out of beam
- Full electronics suite available for data acquisition and control

* Minimum 10 mm diameter beam

- F100 integrated Faraday cup controller
 - Multi-range current to voltage converter
 - 16-bit ADC and adjustable digital filtering
 - Dynamic range 0.1 nA to 10 mA*
 - Integrated precision calibration source
 - High voltage output for secondary electron suppression
 - Pneumatic actuator control
 - RS-232, USB and fiber optic interfaces
 - Easy to use, comprehensive graphical user interface, plus Win 32 and Labview drivers

* Versions available with maximum current up to 100mA.

Specifications are subject to change without notice.



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Committed to your needs