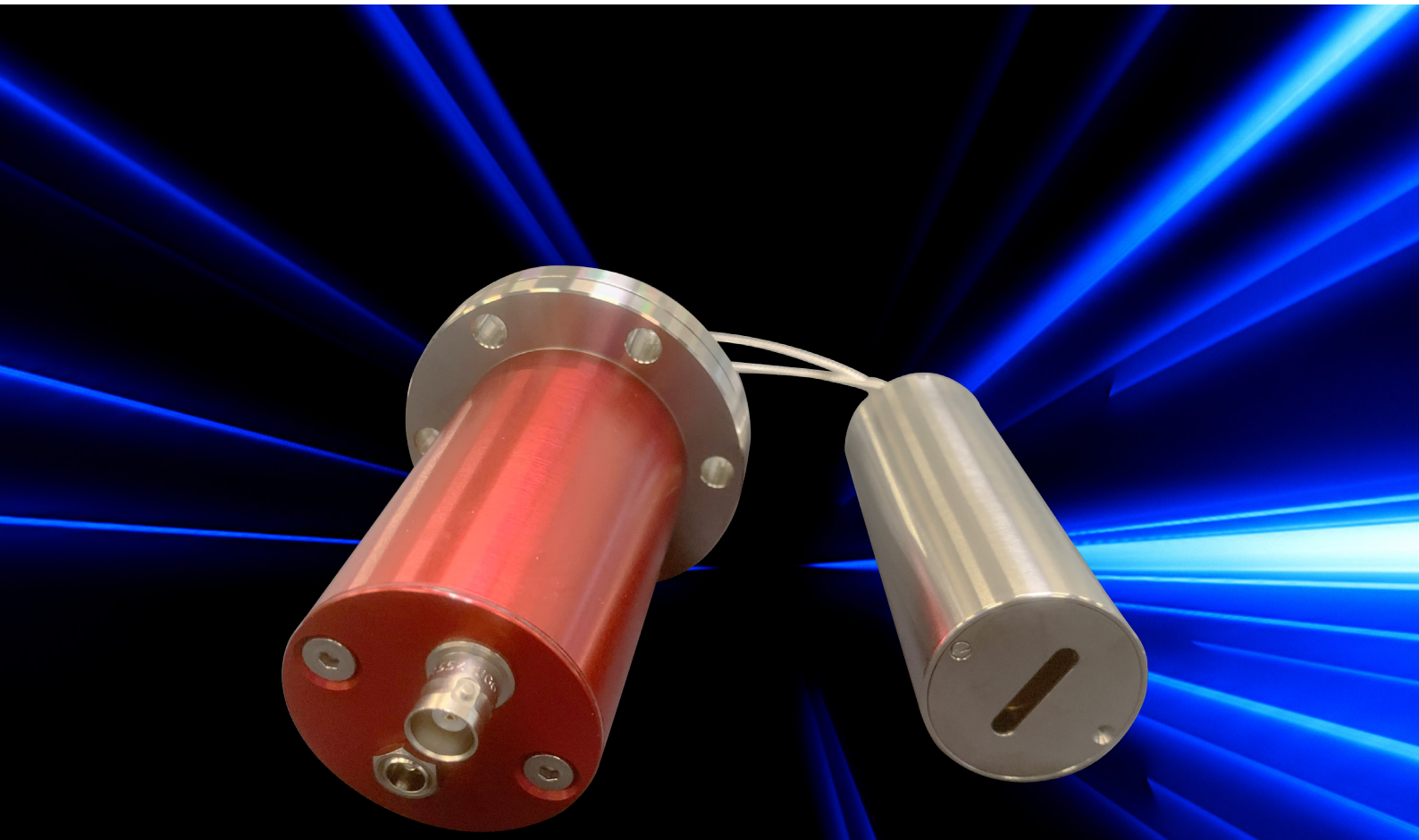
POLYGON PHYSICS

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Our ion & electron sources ready for your needs.



FARADAY CUP

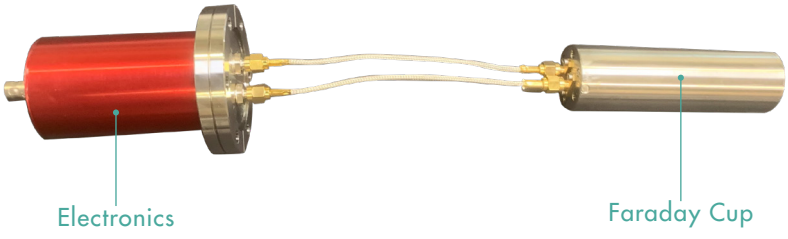
The CAMECA Faraday Cup is used to measure the ion or electron current delivered by particle sources. **Mobile under vacuum** via flexible connections to electronics, it enables **more flexibility to suit specific applications**.

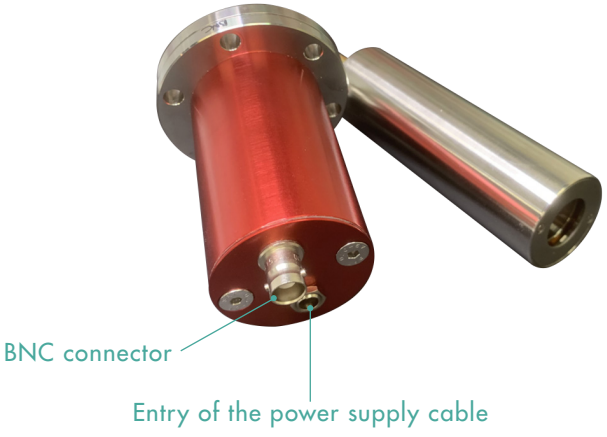
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FARADAY CUP

MECHANICAL CHARACTERISTICS	
Flange type for vacuum feedthrough	1 port CF40
Mobile under vacuum	Yes, flexible connections to electronics
Aperture range	**Circular**: Up to 18.5mm **Slit**: Up to 19mm long, 5mm wide standard Adaptable to the demand
Mass cover diameter	32 mm
Overall length	**Faraday Cup** (under vacuum): 80.5mm **Electronics**: 100.8mm with BNC connector

RECOMMENDED USE	
Beam Power Rating	Up to 20W
Reading precision	0.1% of max calibration current
Calibration current	Adjustable from 0...100 nA to 0...100 mA
Input A.C. Voltage	230V
Polarisation Voltage	Up to 200V
Beam Polarity (Positive or Negative)	Both
Electrical connection	1 BNC for measurement (supplied) – compatible with control command rack for TES sources 1 power supply cable (supplied)
Cooling	None





APERTURES EXAMPLES



Slit

Up to 19mm long
5mm wide standard



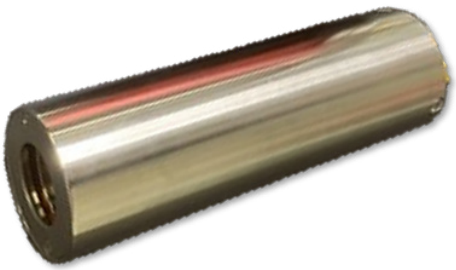
Hole

1mm diameter, smaller
on demand



Circle

Up to 18.5mm diameter



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