

## Hanks HM<sup>2</sup> Hydra-2 e-Gun™

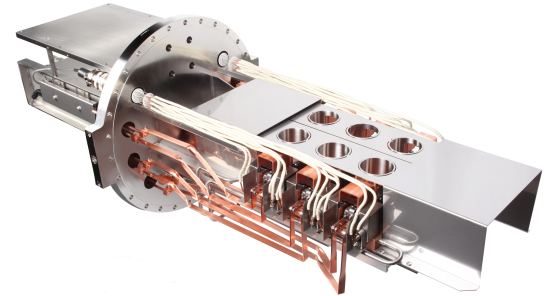
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### *Hanks HM<sup>2</sup> Hydra-2 e-Gun*

Thermionics introduces multi-pocket Hanks HM<sup>2</sup> Hydra-2 e-Guns. The Hydra-2 series provides complex co-deposition process. The Hydra-2 design provides co-evaporation of six different materials by efficient utilization of space. Unique modular magnetic design producing a more efficient electron beam. The Hyper-Unimelt 200 Hz sweep eliminates tunneling and source material eruptions. Plug-in emitter assemblies and sweep coil assemblies make the sources easier to service. Easy filament alignment, more efficient electron collimation, minimal filament distortion and elimination of electron tails. Perfect for co-evaporation!

### Features

- Elimination of beam curl
- UHV rated sweep coils included with source (200 Hz)
- Elimination of pole pieces
- Easy filament alignment
- More efficient electron collimation
- Minimal filament distortion
- Elimination of electron tails
- Fully enclosed emitter assembly prevents particulate buildup
- Each source is independent water cooled
- Designed to eliminate cross talk interference



### Specifications

Operating Pressure	Below $5 \times 10^{-5}$ Torr is desirable for best operation
Power Output	-10 kV
Filament	12 VAC 60A
Maximum Power	15 kW
Cooling Water	30 gpm
Pressure Differential	70 psi minimum
Maximum Bakeout Temp.	230°C
Crucible Volume	10, 15 or 40 cc

### Ordering Information

Description	Model No.
10 cc HM <sup>2</sup> Hydra-2 e-Gun, 10 kW	HYDRA-1010
15 cc HM <sup>2</sup> Hydra-2 e-Gun, 10 kW	HYDRA-1015
40 cc HM <sup>2</sup> Hydra-2 e-Gun, 15 kW	HYDRA-1540