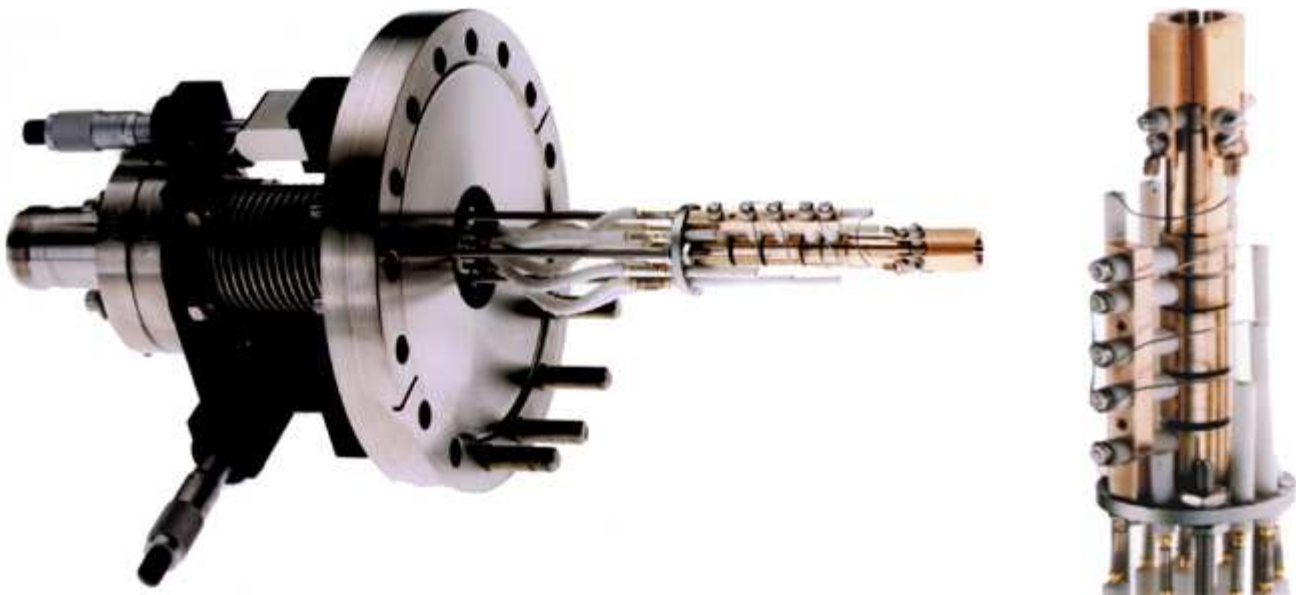




Electron Gun

G10 Series



Features:

- Miniature Lens Design
- Variable Beam Diameter
- Variable Beam Energy
- Low Outgassing Rate
- Flexible Mounting Configuration



Specifications

Model GN10

Beam Energy	Low Energy Mode (LEM): from 5 eV to 750 eV High Energy Mode (HEM): to 3000 eV
Beam Current	LEM: 2 μ A at 100 eV and 0.5 mm beam size HEM : up to 80 μ A at 3keV
Beam Size	Adjusted by potential of Wehnelt cylinder from 1mm to 250 μ m and limited by exchangeable aperture down to 5 μ m
Electron Source	Thermally emitting tungsten-rhenium filament, directly heated single crystal LaB ₆ filament optional
Energy Spread	0.45 eV for Tungsten filament, 0.25 eV for LaB ₆ filament
Beam Deflection	X-Y, two pairs of independent electrostatic deflection plates - optional
Overall Sizes	10 mm lens diameter and 80 mm length
Mounting	unmounted or mounted on 2 3/4" CF with Mu-metal shielding
Target Distances	from 40 to 60 mm of the end of the gun
Filament Light	below 0.01 lux protection against escaping the filament light (back and side gun lenses)