

Electron-beam Heater for STM tip

EB-101

Compact electron beam gun and power supply for STM tip cleaning in UHV. Thermal electrons from a tungsten filament are focused on the STM tip. Tip-filament distance is able to adjust by linear motion feedthrough.



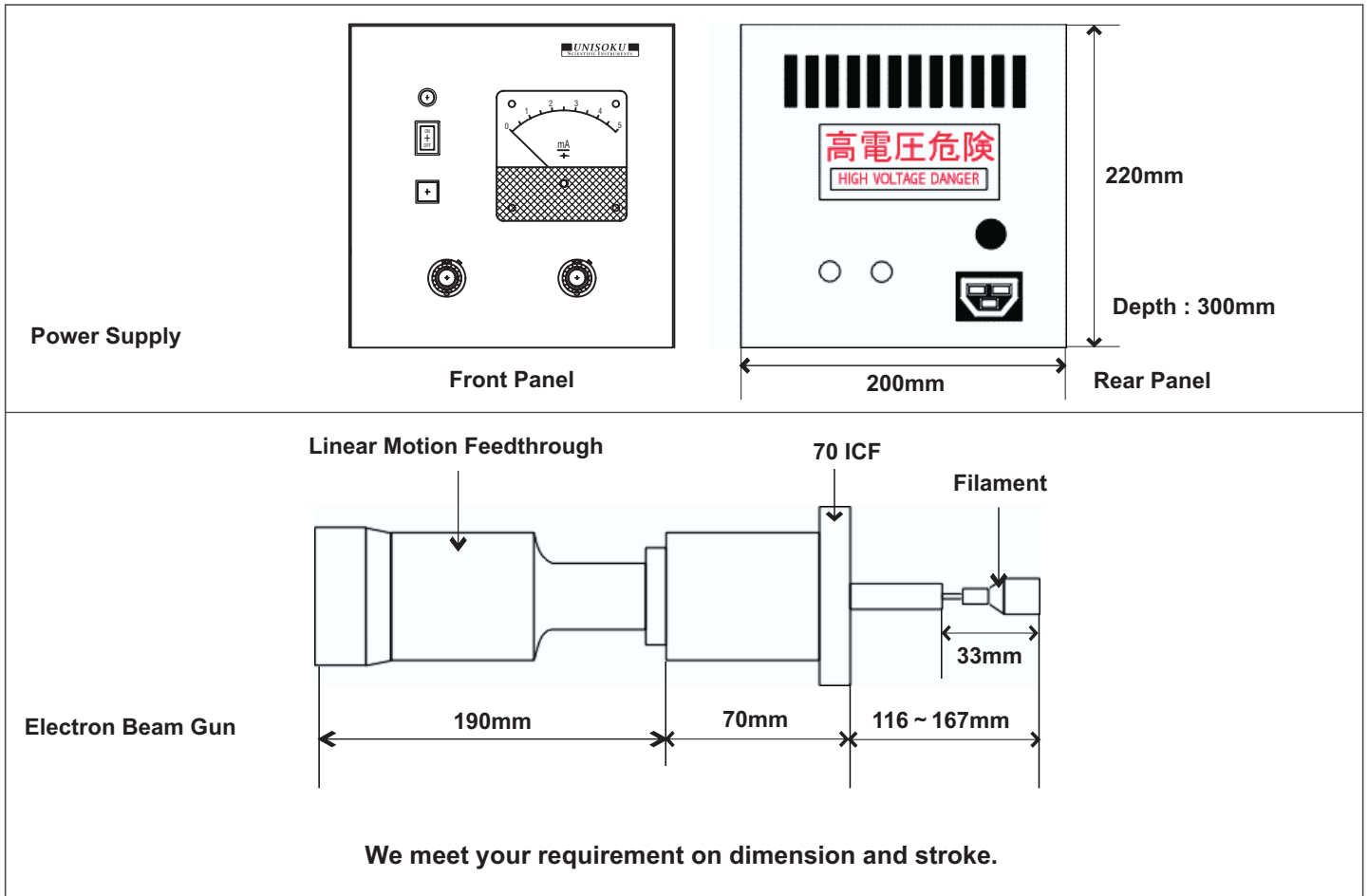
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▶ Component

Electron Beam Gun	: 1
Power Supply	: 1
Cable	: 1
Exchange Filament (U200-1030)	: 1
Manual	: 1

▶ Specifications

Filament	: Tungsten
Accelerating Voltage	: 1.5kV max
Emission Current	: 0~5mA
Vacuum Requirement	: 1×10^{-5} Torr
Mounting Flange	: 70 ICF
Linear Motion Stroke	: 50.8 mm
Weight	: Electron Beam Gun 1 kg Power Supply 7 kg



Instrumental components subject to change without prior notice for improvement in performance.

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