

# Power Supply for EB Evaporators

## EBM-100

EBT-100 is suitable for sample heating and EB Evaporators by electron bombardment



### Feature

- ❑ High power (Emission voltage :3kV, Filament voltage :7V)
- ❑ Emission voltage/current and filament voltage/current are variable respectively
- ❑ High stability
- ❑ It's possible to control with a remote controller
- ❑ Light-weight and compact

### Application

- ❑ EB evaporation in UHV
- ❑ Sample heating by electron bombardment in UHV

## ▶ Component

Power supply body	1
Remote controller (EBR-100)	1
AC cable for power supply	1
Instruction manual	1



Remote controller (EBR-100)

## ▶ Specification

Accelerating voltage terminal	BNC connector for high voltage, voltage max. 3kV/ current max. 100mA
Filament output terminal	PRC03 connector Tajimi, Voltage max. 8V/ current max. 5A (Negative sides of accelerating and filament are connected inside)
External control input terminal	BNC connector Filament voltage control signal : 0-10V Accelerating voltage control signal : 0-10V
Monitor output terminal	BNC connector Filament electricity terminal : -0.3~0V (-0.1mV/A) Emission electricity terminal : -1~0V (-10mV/mA)
Dimensions・Weight	W430 x H99 x D450 mm Weight < 8Kg
Voltage	AC230V (+-10%) 50/60Hz Single phase (AC100V (+-10%), AC115V (+-10%), AC200V (+-10%) are available as option)

### Rear Panel



### Front Panel



(Not including protrusions and flanges; flanges are for 19 inch racks, JIS standard)

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

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