

HV Power Supply for SEM

Suitable for SEM

SEM series ■■■

- > Three electron beam outputs for SEM are integrated in one case
- > High stability, low ripple noise
- > Over current protection
- > Short circuit protection



SPECIFICATIONS

MODEL	Accelerator Output		Bias Output		Filament Output
	SEM-30	SEM-40	SEM-30	SEM-40	
Output Voltage(kV)	0 to -30	0 to -40	0 to +6	0 to +10	Output 0 to 15W (Resistive load 1Ω)
Output Current(μA)	300*	250*	70		
Output Setting Accuracy	±3% F.S		±300V		
Stability(after 1h warm up)	5×10 ⁻⁶ /3min		1×10 ⁻² /10min		
Ripple	1×10 ⁻⁵ p-p F.S		1×10 ⁻⁴ p-p F.S		
Output Control Voltage(V)	0 to 10		0 to 10		0 to 10
Current Monitor	3V/300μA				

*Including feedback current

Input Voltage	24Vdc±5%
Input Current	4Amax
Remote Switch	For all Accelerator, Bias and Filament ON/OFF external contact OPEN / HV OFF SHORT / HV ON
Protections	Over current Protection Cut off all Accelerator, Bias and Filament output when output current reach to maximum output current(including feedback current) of Accelerator.
Operation Temperature	0 to 40°C
Humidity	20 to 80%RH(no condensation)
Dimensions inch(mm)	10.83W × 10.43D × 4.17H(275W × 265D × 106H)
Weight	Approx. 10kg

OPTION

Output Cable Output cable(flying lead) 1.5m

