

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%		±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



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San Jose Office : 2570 N.First Street Suite 200 San Jose, CA 95131
Tel: +1-408-273-4573 Fax: +1-408-273-4673
New York Office : 80 Orville Drive Suite 100 Bohemia, NY 11716
Tel: +1-631-244-1407 Fax: +1-631-244-1496

Dallas Office : 5430 LBJ Freeway, Suite 1200 Dallas, TX 75240
Tel: +1-972-663-9336 Fax: +1-972-663-9337

International Office : Osaka-City, Osaka Japan
Tel: +81-6-6150-5088 Fax: +81-6-6150-5089
Headquarters : 745 Aoji-cho Kusatsu Shiga 525-0041 Japan
Tel: +81-77-561-2111 Fax: +81-77-561-2113