



* This picture is an example adopted as CD-SEM.

Product specifications

Input voltage

 $90V \sim 240VAC$ single phase 1.5A(50,60HZ)Accelerator supply (Referenced to GND)Output voltage: $-0.1kV \sim -10kV$ Absolute voltage accuracy:Less than $\pm 0.5\%$ Set ability:16bit (0.5V LSB)Output current:1mA maxRipple noise:Less than 100mVp-p@10kVStability:10ppm/1hr after 1hour warm uptemperature coefficient:5ppm/°C

Filament supply (Referenced to Accelerator)

Constant current control						
Set ability:	16bit (1mA LSB)					
Output current:	0~3.2A					
Ripple noise:	Less than 5mA p-p @3A					
Absolute current accuracy:	±0.01A					
Stability:	20ppm/1hour @ 3.0A					
temperature coefficient:	10ppm/°C					
Suppressor supply (Referenced to Accelerator)						
Output voltage:	-0.03kV~ -0.5kV					
Absolute voltage accuracy:	Less than 0.5% @300V					
Set ability:	16bit (0.01V LSB)					
Output current:	150 μ A max					
Ripple noise:	Less than 50mVp-p					
Stability:	50ppm/1hr after 1hour warm up					
temperature coefficient:	25ppm/°C					
Extractor supply (Referenced to Accelerator)						
Output voltage:	+0.2kV~+5.2kV					
Absolute voltage accuracy:	Less than 0.5%					
Set ability:	16bit (0.1V LSB)					
Output current:	1mA max					

Custom multiple output power supply for "TFE-type CD-SEM, Review SEM" .

Application

- CD-SEM
- Review SEM
- Wafer inspection SEM

The other specifications

All the outputs provide with the over voltage protection and the over current protection.

External control: Optical isolated RS232C Interlock: vacuum, thermo, HV-connection HV connector: Customer specification Output monitor: Accelerating voltage, Lens voltage Storage temp range: $-5^{\circ}C \sim +40^{\circ}C$ Operating temperature Limit: $+10^{\circ}C \sim +40^{\circ}C$ Humidity: 80% or less Insulation method: Air insulation (one molding) Externals size: 480mm(W) $\times ---(D) \times ---(H)$ Weight: ≥ 20 kg~

The model "FE103XP" is an integrated multiple output high voltage power supply specifically developed for TFE type scanning electron microscope.

Please ask details.
e-mail <u>info@futex.jp</u>

	incontact i chage accuracy.				
	Set ability:	16bit (0.1V LSB)			
	Output current:	1mA max			
	Ripple noise:	Less than 50mVp-p @4.0kV			
	Stability:	20ppm/1hr after 1hour warm u	р		
_	temperature coefficient:	10ppm/°C			
	Electric static lens supply ((Referenced to Accelerator)	0	ptional	
	Output voltage:	+0.3K~+12kV]
	Absolute voltage accuracy:	Less than $\pm 0.5\%$			
	Set ability:	16bit (0.1V LSB)			
	Output current:	200 μ A max		FUT	EX CO., LTD. http://www.futex.jp
	Ripple noise:	Less than 50mVp-p			1-42-549-2888 FAX:+81-42-549-2900
	Stability:	20ppm/1hr after 1hour warm up	р		Fukujima-cho Akishima Tokyo, Japan
	temperature coefficient:	10ppm/°C			, , , , , ,