



ISA-7000 EB Power Supplies

Evaporation Power DC -6000V to -10000V, 0 to -2A
10Kw ~20Kw

본 전자빔파워 ISA-7000 모델은 고성능의 고전압을 방출하는 제품이며 방전 소거장치가 기본으로 장착되고 본체 그리고 오퍼레이팅 콘트롤러, 확장콘솔, 전자빔건으로 이루어져 있습니다.

컴파운드와 물질을 강한 전자빔으로 녹여 이를 증발시키며, 전자빔건에 매우 안정적이고 강한 Power를 공급하므로 고품질의 제품을 생산할 수 있습니다.

This product, electron beam power ISA-7000 can generate high voltage with high quality and discharge elimination device is attached as basis.

ISA-7000 consist of main frame, operating controller, extension console, an electron beam gun.

Our product melts compounds and materials with the powerful electron beam and supplies such stable and strong power to E-BEAM-GUN that high quality product can be manufactured.



Standard use Arc suppresser circuit

Current	1...2A
Accelerating voltage	10,000V
Interruption time	0.1 msec
Accelerating voltage overshoot	within18%
Operating pressure	0.07Pa
Hold time of discharge	< 100μs
Overshoot hold time	3mS

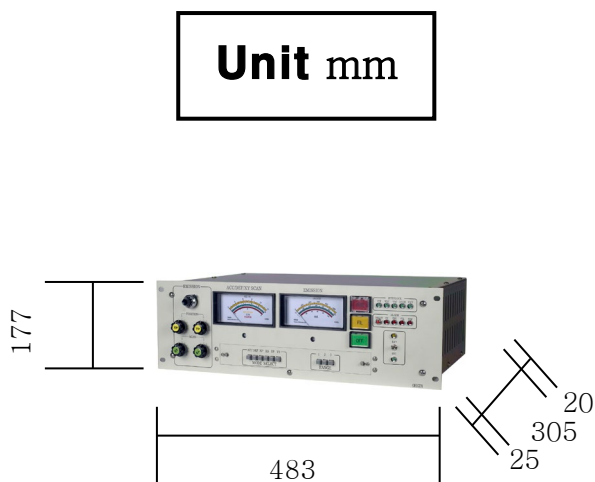
Technical specifications

Power (Energy)	10Kw / 20Kw
Accuracy	5%, 1% FS
Digital communication	0=Non, 1=Digital communication
Auto program sweep	0=Non, 1=Auto program sweep
Power (3-Phase 220Vac 50/60Hz 10%)	15KVA 25KVA
Output emission current	0 ~ -1A 0~ -2A
Output accelerating voltage	-6000V ~ -10000V
Output filament current	0~30A 0~50A
Ripple	4% Or less at maximum output
Beam deflection deflection current	0 ~ 2.5A
Beam Scanning current	60Hz(X Axis), 600Hz(Y axis), Output 2Adc
Operation control switch	ACC-ON, FIL-ON, ACC/FIL-OFF, INT/EXT
Operation control (LED)	Above switch, alarm(4 points), interlock(5 point)
OP-Control emission current meter	0~100mA, 0~600mA, 0~2000mA / 3 Ranges
Operation control ACC. V, X, Y meter	Accelerating voltage, deflection current, X-Y scanning and X-Y position can be switched
Operation control external signal	Input: 14 point , Output :9 points
Operation control dimensions (mm)	483(W) X 350(D) x 150(H)
Power supply main dimensions (mm)	580(w) X 860(D) X 1415(H) 580(W) X 860(D) X 1700(H)
Ground terminal	Less than ground resistance 10 ohm
Operating vibration	Approx X,Y,Z < 0.2G less than
Operating temperature & humidity	17~25℃, 20...70% RH
Weight	Approx. 380Kg Approx. 470Kg



ORIGIN

Dimensions



Operation controller



Power supply main

Order code

ISA -
 7000 -
 AA -
 B -
 C -
 D

A	Power (Energy)	10 =10Kw,	20 =20Kw
B	Accuracy	5 =5%,	1 =1%,
C	Digital communication	0 =Non,	1 =Communication
D	Auto program sweep	0 =Non,	1 =Auto program sweep



ORIGIN