


# ION BAR

## SDB Series

DC Slim Ion Bar



## Key Features

- Maimized static performance using DC High Voltage
- Since it crease high volume of ion, it is suitable for fast moving or HV required area
- 2 SDB Series Ion Bar can be connected to 1 SBC Series 
- Various length of ion bar for numerous installing environment
- Small / slim body→easy to install in narrow space

## Specifications

### SDB Series

Model	SDB Series	Remarks
Input Power	-	
Power Consumption	-	
Ion-Generation Method	Corona Discharge DC	
	0.1 ~ 0.5 MPa	
Air Purge Supply Pressure	≤ 0.3MPa SDB-16 ~ SDB-48 ≤ 0.5MPa SDB-64 ~ SDB-256	Clean Dry Air, N <sub>2</sub>
Air Purge Connection Port	Pipe Tap 1/8"	
Ion Balance	-	
Ozone(O <sub>3</sub> ) Concentration	≤ 0.05ppm	
Main Body Material	Non-Flammable ABS	Level V0
Electrode Material	Standard Tungsten Option -	
Emitter Replacement	Cartridge Type	
Operation Circumstance	0°C ~ +50°C (32°F ~ 122°F), 35% ~ 85% RH	
Dimensions	Please Refer to Dimension Drawing	
Mounting Method	Bolt Mounting with Bracket	
Function	-	
Adjust Frequency [Hz]	-	
Function Voltage [Level]	-	
Alarm Function	-	
Interface	-	
Operating Distance	50~2,000mm	
High Voltage Cable	Withstand Voltage : 40kv DC, 4m	
Warranty	1Year(After 1 year of your purchase)	

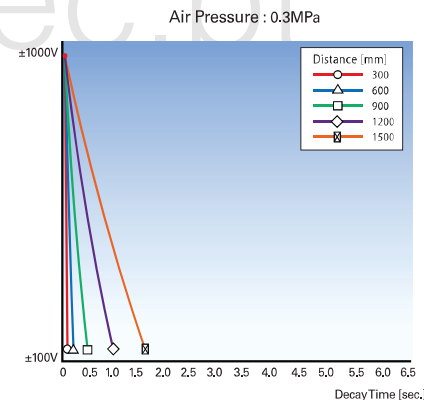
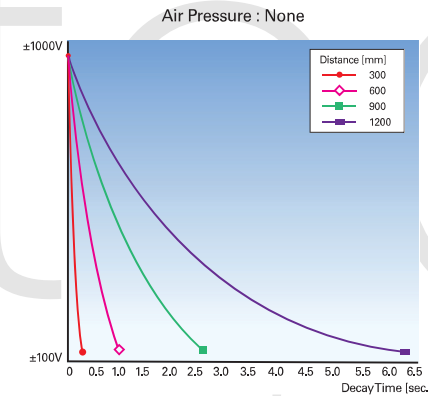
### Power Controller [SBC Series]

Model	SBC-2PN	SBC-2P	SBC-2N	Remarks
Input Power	AC100~240V, 50/60Hz			
Output Voltage(Max.)	DC ±11kV	DC +11kV	DC -11kV	
Power Consumption	Max. 35W			AC 220V
Current Consumption	Max. 158mA			
Output Port	2 Port			
Alarm	H/V Abnormal			
Weight	4.5kg			
Main Body Material	EGJ			
Ion Bar Number Connectable	2EA			
Dimensions	Please Refer to Dimension Drawing			
Interface	Run, Stop, Alarm Ch1, Alarm Ch2			
Function	Frequency [Hz]	-		
	Duty Ratio [%]	-		
Warranty	1Year(After 1 year of your purchase)			

## Decay Time Characteristics

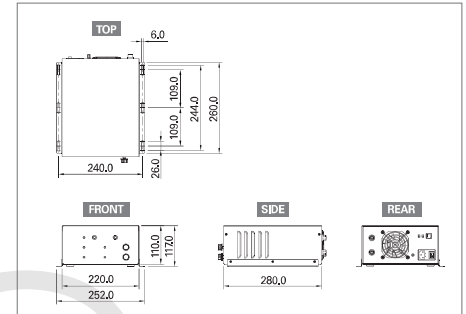
### Test Conditions

- Model: SDB-64 / SBC-2PN
- Socket : SIE-1
- Output Voltage : DC +8kV ~ +11kV / DC -8kV ~ -11kV
- Air Pressure : None / 0.3MPa
- Decay Time : ±1,000V to ±100V
- Temperature & Humidity : 24°C ± 1°C, 40% ± 2%RH
- Charge Plate Capacitance : 20pF ± 2pF (150 X 150mm)
- Frequency : N / A

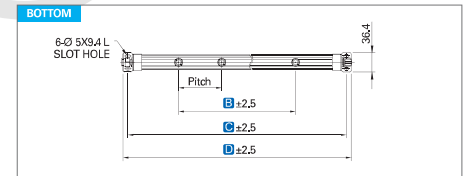
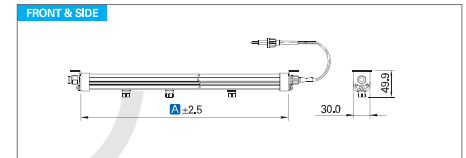


## Dimensions

### DCType Power Controller [SBC-Series]



### Ion Bar [SDB-Series]



### [Model : SDB-16 ~ 256] Dimensions

MODEL	A	B	C	D	Pitch
SDB-16	170	80	190	208	40
SDB-32	330	240	350	368	40
SDB-48	490	400	510	528	40
SDB-64	650	480	670	688	80
SDB-80	810	640	830	848	80
SDB-96	970	800	990	1008	80
SDB-112	1130	960	1150	1168	80
SDB-128	1290	1120	1310	1328	80
SDB-144	1450	1280	1470	1488	80
SDB-160	1610	1440	1630	1648	80
SDB-176	1770	1600	1790	1808	80
SDB-192	1930	1760	1950	1968	80
SDB-208	2090	1920	2110	2128	80
SDB-224	2250	2080	2270	2288	80
SDB-240	2410	2240	2430	2448	80
SDB-256	2570	2400	2590	2608	80