

SIB5S-C Series

SIB5S-C is the Controller all-in-one type ion bar that has obtained UL certification. It achieves stable performance and constant ion balancing for long time use through high frequency, and it has a digital control system to minimize corona discharge loss.

Key Features

- UL certified product (starting sales in January 2024)
- Stable ion balance during long term usage
- Low peak voltage through high frequency
- Improved convenience of maintenance by minimizing wear and contamination of discharge emitter
- Increase ion generation by reducing corona discharge loss
- Tip cleaning alarm (You can set tip cleaning period with timer)
- One touch type for easy tip replacement and cleaning



※ What is a UL certified product?

This product has been certified by UL, an official American certification organization. UL is the highest-ranking U.S. certification organization that develops and awards certification for variety of standards for product performance and safety.

Specifications

Parameter		Description / Value
Input Power		DC 24V (±5%)
Power Consumption		Max. 4.8W
Current Consumption		Max. 200mA
High Voltage		Pulse AC 11.5kV
Ion-Generation Method		Corona discharge Pulse AC
Structure		Capacity coupled
Connector		Power(DC24V) : RJ45 RS-485 & Interface : RJ45
Operating Distance		50~2,000mm
Air Purge Supply Pressure		0.1 ~ 0.5MPa (CDA, N ₂ [Need to be no dew condensation])
Operation Circumstance		0℃ ~ +50℃(32℉ ~ 122℉), 35% ~ 85% RH
Ozone(O ₃) Concentration		≤0.05ppm
Main Body Material		Non-Flammable ABS (Level V0)
Electrode Material		Standard : Tungsten
		Option : Silicon / Titanium
Electrode Replacement		Cartridge type
Model Line Up		400mm~ 3000mm
Function	Alarm	Over Discharge Alarm Tip Cleaning Timer Alarm
	Interface	- Run/Stop State : Run-Closed / Stop-Open - Over Discharge Alarm : Normal-Open / Alarm-Closed - Tip Cleaning Timer Alarm : Normal-Open / Alarm-Closed - Remote Input : DC 24V (15mA)
	Communication	RS485
Option		SBP-RD (DC Power Supply)
Warranty		1 year

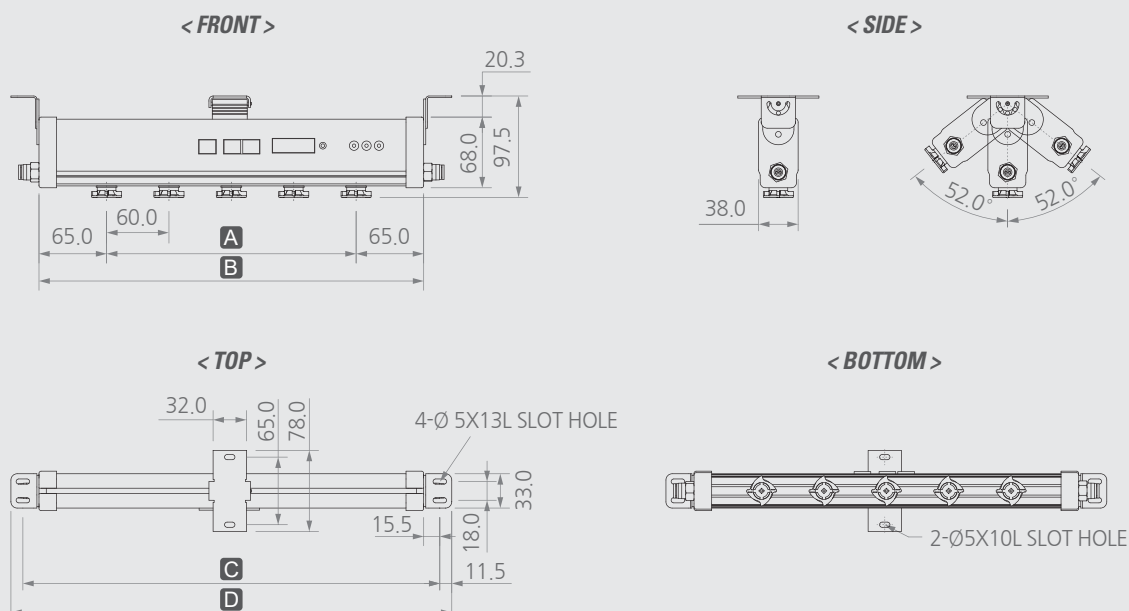
※ Product model number will be differ as the discharge needle specifications, ex) Tungsten : SIB5-****S-C / Silicon : SIB5-****S-C-SI / Titanium : SIB5-****S-C-TI

※ The appearance and specification of the product may be changed without prior notice for the improvement of the product.

Ion Bar

Electrostatic Total Solution

Dimensions



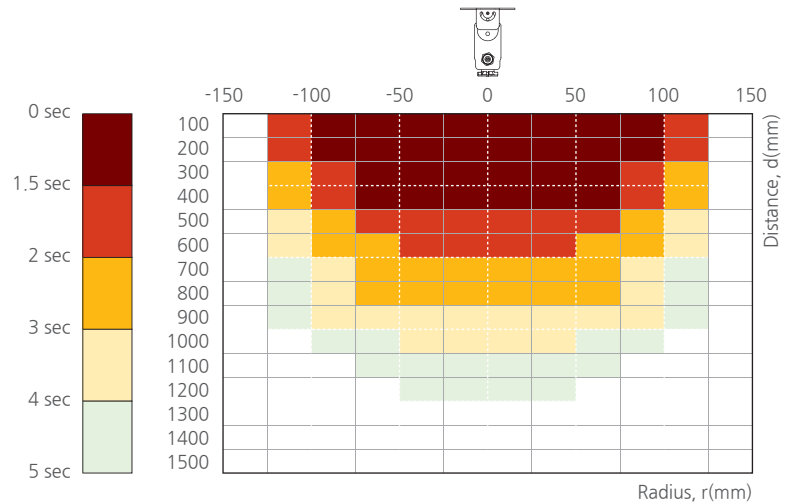
No.	Model No.	Tip Q'TY	A	B	C	D	Middle BKT Q'TY
1	SIB5-400S-C	5	240	370	401	424	-
2	SIB5-500S-C	7	360	490	521	544	-
3	SIB5-550S-C	8	420	550	581	604	-
4	SIB5-600S-C	9	480	610	641	664	-
5	SIB5-700S-C	11	600	730	761	784	-
6	SIB5-800S-C	12	660	790	821	844	-
7	SIB5-900S-C	13	720	850	881	904	-
8	SIB5-1000S-C	15	840	970	1001	1024	-
9	SIB5-1100S-C	17	960	1090	1121	1144	-
10	SIB5-1200S-C	19	1080	1210	1241	1264	-
11	SIB5-1300S-C	21	1200	1330	1361	1384	-
12	SIB5-1500S-C	23	1320	1450	1481	1504	1
13	SIB5-1600S-C	25	1440	1570	1601	1624	1
14	SIB5-1700S-C	27	1560	1690	1721	1744	1
15	SIB5-1800S-C	29	1680	1810	1841	1864	1
16	SIB5-1900S-C	31	1800	1930	1961	1984	1
17	SIB5-2100S-C	33	1920	2050	2081	2104	2
18	SIB5-2200S-C	35	2040	2170	2201	2224	2
19	SIB5-2300S-C	37	2160	2290	2321	2344	2
20	SIB5-2400S-C	39	2280	2410	2441	2464	2
21	SIB5-2500S-C	41	2400	2530	2561	2584	2
22	SIB5-2700S-C	43	2520	2650	2681	2704	2
23	SIB5-2800S-C	45	2640	2770	2801	2824	2
24	SIB5-2900S-C	47	2760	2890	2921	2944	2
25	SIB5-3000S-C	49	2880	3010	3041	3064	2

Ion Bar

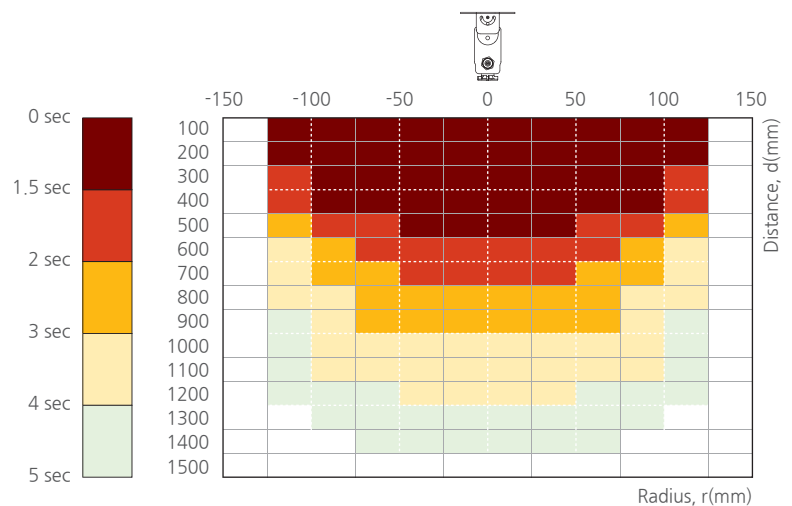
Electrostatic Total Solution

Decay Time Characteristics

- Model : SIB5-1000S-C
- Socket : Clean Socket (2-Hole-0.2)
- Flux : 56LPM
- Air Pressure : 0.3MPa
- Decay Time : $\pm 1,000V$ to $\pm 100V$
- Temperature & Humidity : $24^{\circ}C \pm 1^{\circ}C$, 40% $\pm 2\%$ RH
- Charge Plate Capacitance : 20pF (150 X 150 mm)
- Frequency : 260Hz



- Model : SIB5-1000S-C
- Socket : Clean Socket (4-Hole-0.2)
- Flux : 100LPM
- Air Pressure : 0.3MPa
- Decay Time : $\pm 1,000V$ to $\pm 100V$
- Temperature & Humidity : $24^{\circ}C \pm 1^{\circ}C$, 40% $\pm 2\%$ RH
- Charge Plate Capacitance : 20pF (150 X 150 mm)
- Frequency : 260Hz



- Model : SIB5-1000S-C
- Socket : Clean Socket (4-Hole-0.2 X 0.4)
- Flux : 165LPM
- Air Pressure : 0.3MPa
- Decay Time : $\pm 1,000V$ to $\pm 100V$
- Temperature & Humidity : $24^{\circ}C \pm 1^{\circ}C$, 40% $\pm 2\%$ RH
- Charge Plate Capacitance : 20pF (150 X 150 mm)
- Frequency : 260Hz

