

# VSH-10B-XXXX

10KV photo bar (Modular) ionizer with replaceable tube.  
XXXX: Length of bar



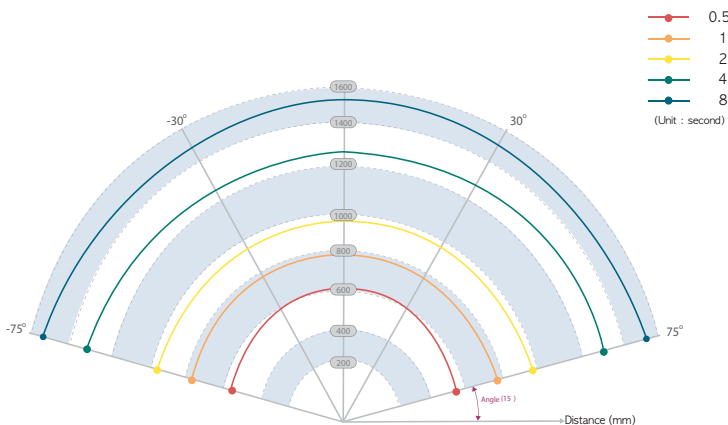
## • How does soft X-Ray ionizer work?

The principle behind soft x-ray static elimination is the use of air ionization of soft x-rays. Soft x-rays are easily absorbed within the atmosphere to generate positive and negative ions. These positive and negative ions move being pulled according to the electrical charge of the electrified object according to coulomb's force and ultimately meeting with the electrified charge to become neutralized. Different from corona discharge type, soft x-ray, a form of light, is used and is suitable for use in clean rooms as peeling of metal is caused by ion collisions due to discharge does not occur.

XXXX: Length / mm

VSH-10B									
VSH-10B-900	VSH-10B-1200	VSH-10B-1500	VSH-10B-1600	VSH-10B-1700	VSH-10B-1800	VSH-10B-1900	VSH-10B-2000	VSH-10B-2100	VSH-10B-2200
VSH-10B-2300	VSH-10B-2400	VSH-10B-2500	VSH-10B-2600	VSH-10B-2700	VSH-10B-2800	VSH-10B-2900	VSH-10B-3000	VSH-10B-3100	VSH-10B-3200

## • Ionization Performance According To Distance



## • Advantages of soft X Ray ionizer

### Perfect ion balance

Unlike corona discharge electrodes that use high-pressure negative electrons, it equally generates positive and negative ions by using soft x ray, in turn enabling even ionization capacities unrelated to surface charge polarity.

### No occurrence of metal dust

It is suitable for use in clean rooms highly sensitive to contamination as metal dusts are not generated as corona discharge electrodes are not used. It also prevents product defects caused by metal dust and requires minimal maintenance costs compared to corona discharge electrode.

### Fast ionization speeds

Faster ionization speeds compared to corona discharge types based on high ionization density.

### No occurrence of ozone

Unlike corona discharge that provides ozone (strong oxidizing gas) in atmospheric discharges, it has no atmospheric discharge, in turn preventing harmful health effects and corrosion of equipment.

## • Specification

Tube voltage(DC)	11 kV
Beam angle	150°
Power input	DC 24V
MAX consumption	8 W
Weight	300mm:0.35kg
X-ray tube replaceable	O

## • Environmental

Operation temperature	0~40°C
Storage temperature	-10°C~60°C
Operation humidity	Less than 60%
Storage humidity	Less than 85%

Head office

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# Product Details

## VSC-108E (Controller)

### Specification

Power input	100~240V, 50/60Hz
MAX consumption	MAX 8ch 70W
Weight	0.9 kg
I/O Interface	Remote, Interlock, Fail
Serial communication	RS-485
I/O Pin Connector	DSUB15P Female

A controller for photo bar (modular) ionizer. It can control max 8 modules

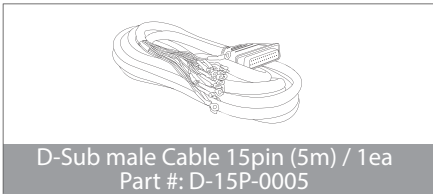
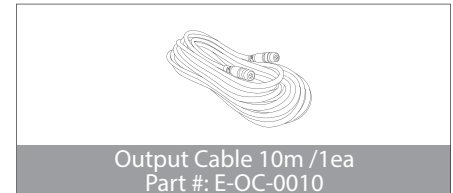
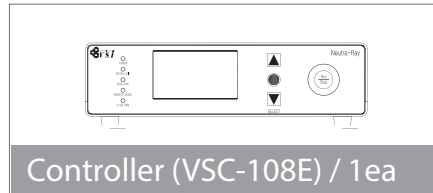
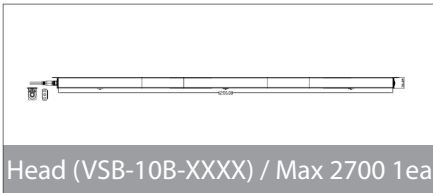


### Radiation Material

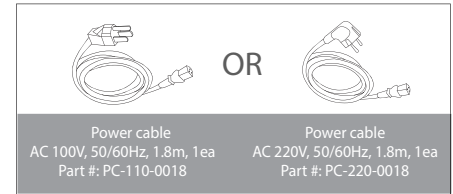
Shield material	Material thickness
Stainless steel	0.2
Aluminum	3
glass	5
PVC	4
Acrylic	46



### Composition

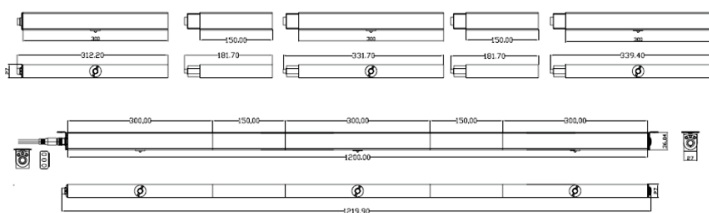


Fixing Bolt : M5 X 6L/ 2ea  
 M5 Spring Washer/ 2ea  
 M5 X 12L Sams Range/ 2ea  
 M3 3030 Profile Spring Nut/ 2ea



### Dimensions (unit:mm)

#### Head



#### Controller

