

## 【Maintenance Notice】

1. Please read this manual carefully before use.
2. Free services can be provided with warranty card and invoice, welcome to contact us if you need technical support.
3. Customers can get 1 year warranty service from us with product related invoice and documents.
4. Please keep the warranty card properly so that the warranty can be obtained when the product needs repair.
5. The company is not responsible for the following repair services beyond the product, but we can still provide you with paid services.

- Products due to improper use or storage.
- Products without warranty card or other valid documents.
- Products due to unstable power supply voltage or beyond the normal voltage range or power supply and installation does not meet the electrical installation requirements.
- Promotional products.
- Products damaged caused by irresistible natural disasters.
- Products beyond maintenance period, damaged due to not follow the rules and methods of application.

## 【Technology Specification】

Model	PS-501	Power	3 W
Voltage	220 AC / 240V AC	Frequency	50/60Hz
Load	200 W	Weight	450 g
Size	132*69*50mm	Material	ABS

## Warranty Card

(Please keep it properly)

Product Name		Product Number	
Purchase Time		Contact Number	
Customer information	Name/company		
	contact address		
Sales company stamp:			

Plasma Ions | ❄️

## Ion Quantity Control System

Model: PS-501



Please read the instructions before use

## 【Precautions】

There are electronic devices installed inside, do not open the case to avoid the risk of electric shock. Please read this [user manual] carefully before using the machine and follow the below points of operation base on the manual. Otherwise it may cause damage to product, or even cause injury to yourself or others at varying degrees.

- This machine is designed for only indoor general using. Do not place it open-air or high temperature place.
- Before operating the machine, make sure the power cord is firmly plugged into the power outlet, and place the power cord in a safe position. Do not touch, install or unplug the power cord with wet hands to avoid electric shock accidents.
- Before unplugging the power cord, please turn off the machine power in the correct procedure, otherwise it may cause damage to the machine.
- If don't use the machine for a long time, please unplug the power supply.
- To ensure the best performance of the machine, do not cover the plasma generation sensor.
- The machine has precision components built inside. Don't open the case by yourself to avoid damage to the machine parts and may happen dangerous.

## 【Use and Characteristics】

- Shell is ABS flame retardant materiall.
- The ion quantity control system can be used for a long time, and the ion concentration can be adjusted in real time.
- PS-501 can transmit the plasma concentration value to the central system computer for monitoring. It can also be connected to multiple groups of plasma generators of different models. It is a sensor that can be installed on the air inlet/outlet duct or ceiling. The ion concentration value can be calculated according to the actual environmental area or the odor concentration to set the size.

## 【Instructions】

- 1 Turn on the power, start the device, and the digital window displays 9 9 to indicate that the startup is complete.
- 2 As shown on the right, the blue number on the left represents the set value, and the green number represents the actual concentration value detected by the device.
- 3 The blue number can be set to 1-9 different concentration values, and the green number will display 1-9 different concentration values according to the actual concentration automatically detected by the device.
- 4 The position of the ion generating sensor should not allow the wind to blow directly, otherwise the detection value will fluctuate continuously, which will affect the use effect.
- 5 When the blue number (1≤setting value≤5), the green digital display will reach or exceed the set value (maximum 5), when the digital display reaches or exceeds the set value, the plasma equipment will stop working.
- 6 When the blue number (6≤setting value≤9), the green digital display will reach or exceed the set value (maximum 9), when the digital display reaches or exceeds the set value, the plasma equipment will stop working.



The set value is not reached, the equipment is working normally



When the set value is reached, the equipment stops working



Exceed the set value, the equipment stops working

## 【Fault Check】

Fault condition	Processing check
The nixie tube has no digital display or Light does not shine	Check whether the power cord plug is firmly inserted into the body and whether it is loose. Check supply Whether the electrical socket has power supply, and check whether the 0.5A fuse is burned out.
The number displayed by the digital tube has not changed	Check whether the plasma generation sensor is blocked by foreign objects or is too far away from the plasma generator. It is recommended to keep about 10cm.

Please send the following to the company's designated maintenance department for repairs.

1. The problem cannot be solved as described above.
2. Foreign matter or moisture enters, and abnormal conditions occur.

## 【Constituent unit】

### (1) Product overview:



### (2) Product Size:

