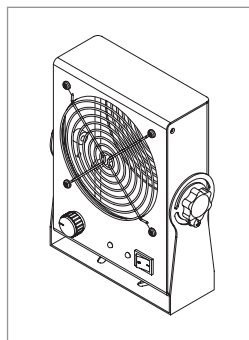
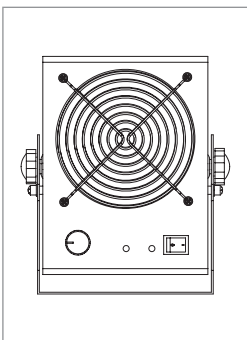
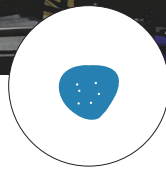
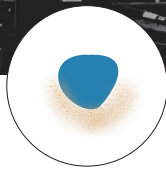


SELF-CLEANING DESKTOP IONIZING AIR BLOWER



Suitable for electronics, optoelectronics, semiconductor and other industries

Effectively solve the problems caused by static electricity



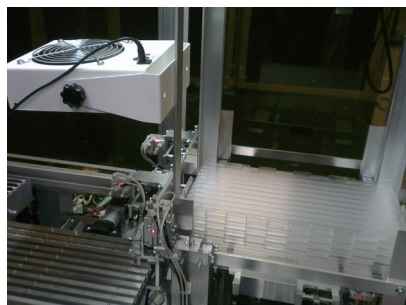
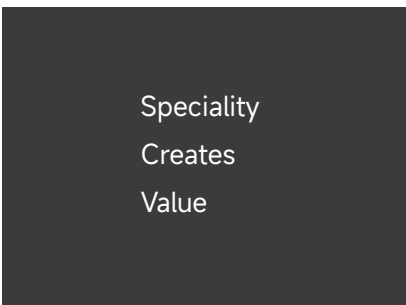
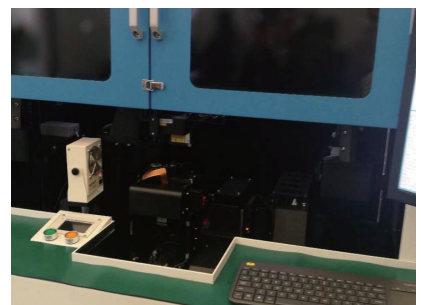
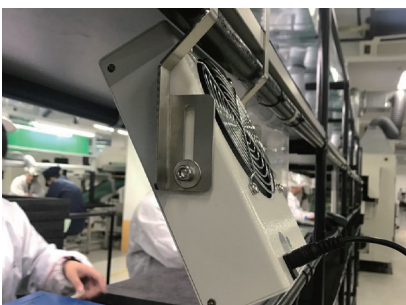
Static removal

Prevent adhesion of objects

Prevent material splash

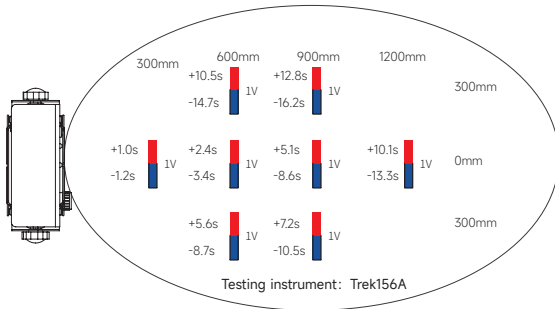
Prevent static electricity

Prevent blockage of feeder



High Efficiency Static Removal

Keep a clean production environment and stay away from static electricity



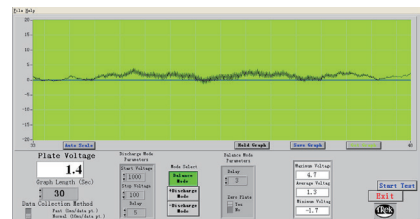
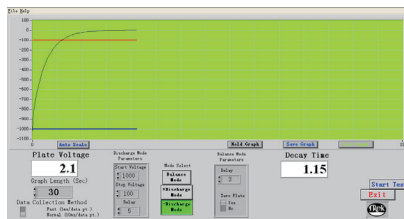
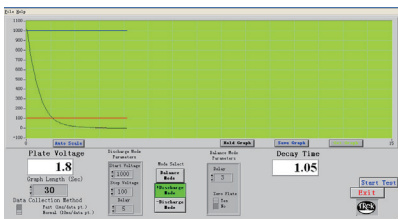
Test standard: ANSI/ESD.STM3.1, SJ/T 11446—2013

Test instrument: Trek 157 static tester

Test voltage: $\pm 1000V \rightarrow \pm 100V$ attenuation

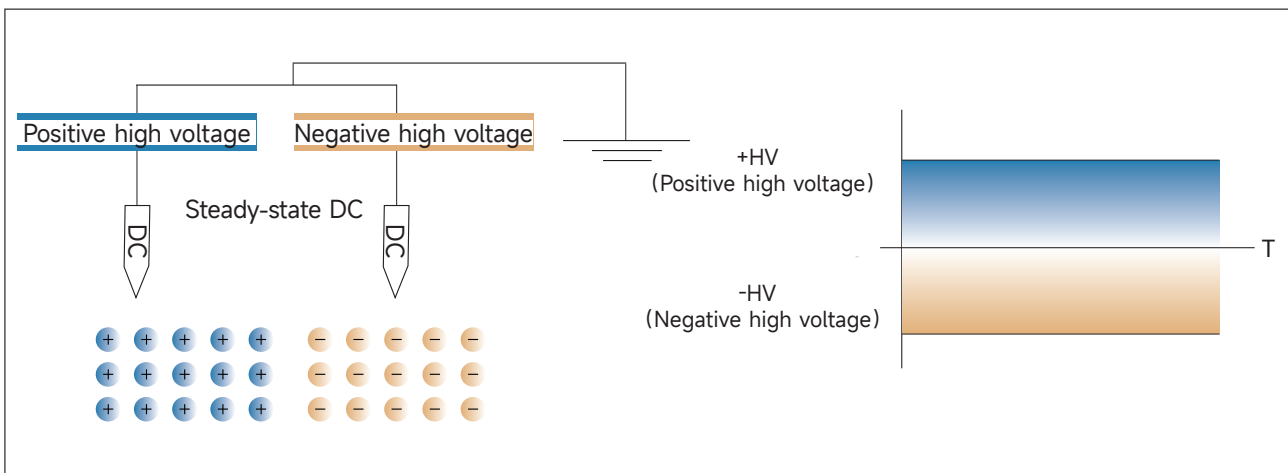
Test environment: humidity $50 \pm 5\%$; temperature $23 \pm 3^\circ C$

The test data as follows (test distance: 300mm in front, maximum air volume):



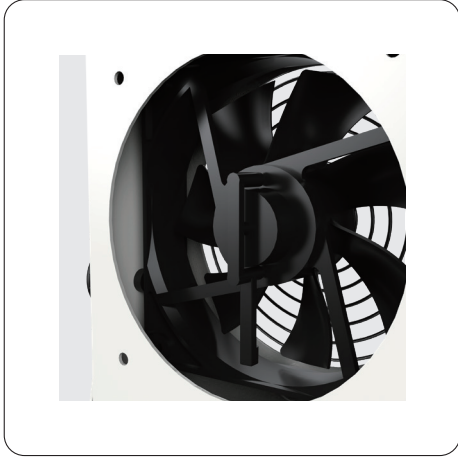
Working way

The ionizing air blower adopts the synchronous emission technology of positive and negative ions, which use two sets of independent emitter electrodes to generate a direct current corona discharge to produce a large number of positive and negative air ions, which are blown by the axial fan to the surface of objects with electrostatic to be eliminated. It is suitable for electronics, optoelectronic, semiconductor, plastic, film, printing and other industries.



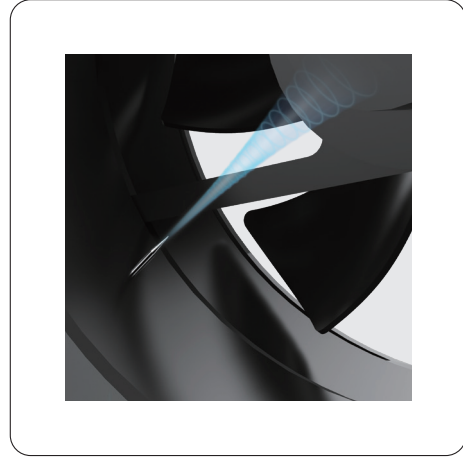
Features

Safe / Easy to use / Durable



Automatic needle brushing

Automatic needle brushing when start up. By default, the needle is automatically brushed every 24 hours for manual cleaning and maintenance free.



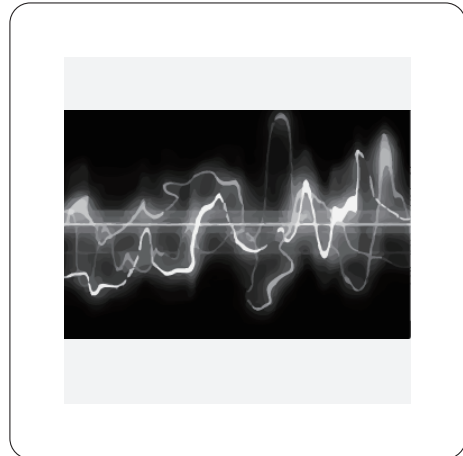
Standard tungsten alloy needle

Longer life time compare to titanium and silicon materials.



Fan speed adjustment is stepless

Stable performance, front and rear mesh cover can be removed for easy maintenance.



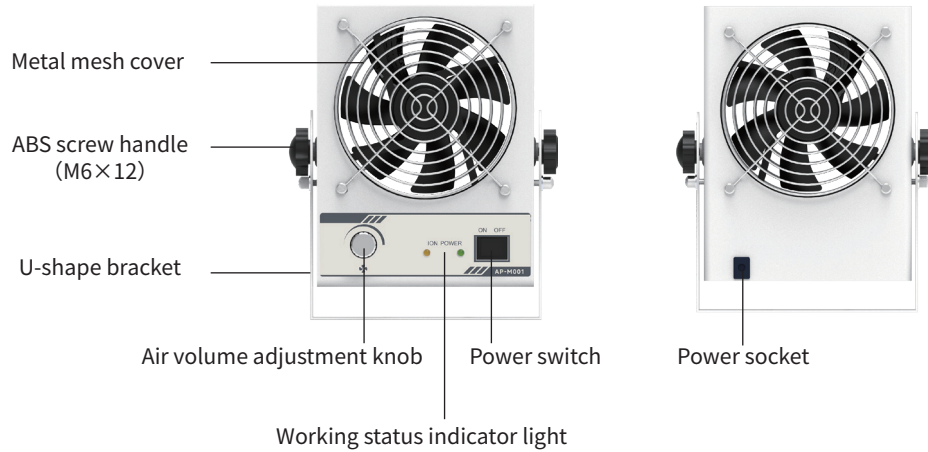
CE Certification

CE certified with electromagnetic protection function and no electromagnetic interference to other equipment. It can also effectively avoid external electromagnetic interference affecting the normal operation of the air blower which is a high-security and high-reliability static eliminator.

Product Specifications

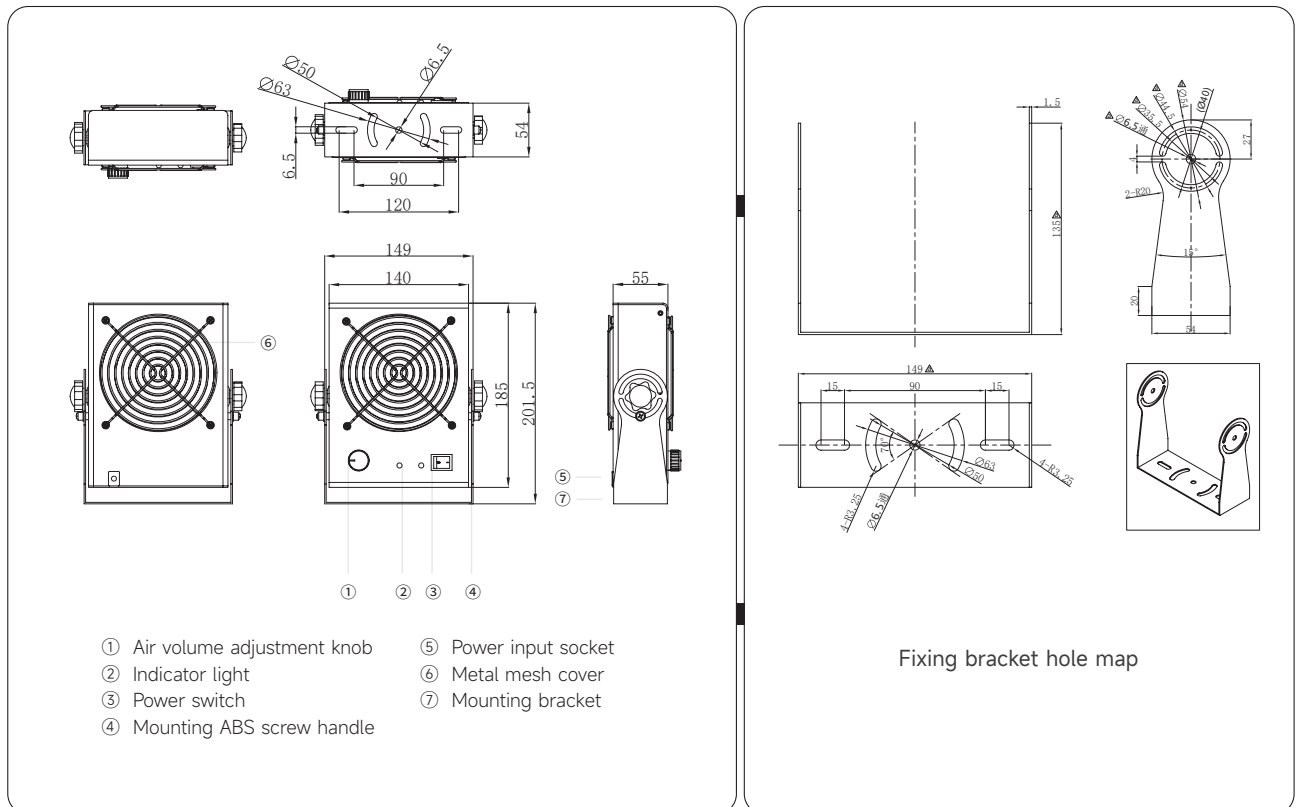
Product Details / Product Parameter / Product Size

◆ Product appearance



◆ Product Dimension

Unit: mm



Product Specifications

Product Details / Product Parameter / Product Size

◆ Product parameter

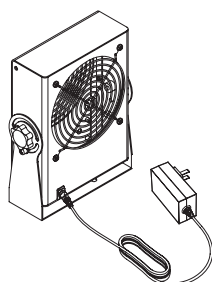
Model	AP-M001
Input voltage	DC15V
Power	9W
Working voltage	±DC4000-DC7000V
Ion emission	Steady-state DC
Emitter electrode	Tungsten Alloy
Discharge structure	Uncoupled electrical contact (discharge cylinder)
Discharge range	750*300mm (L*W)
Discharge speed	≤ 2.0s (300mm away from the air outlet)
Ion balance	≤ ±10V (300mm away from the air outlet)
Alarm indicator	The power indicator light on indicates working normally
Air volume	≤ 89.1CFM
Noise	≤ 43db (1m away from the air outlet)
Ozone thickness	≤ 0.05ppm (150mm away from the air outlet)
Working temperature	0-50°C
Working humidity	30-70%RH
Dimensions	140*55*185mm (L*W*H) (Ionizing Air Blower body size)
Shell material	Aluminum powder spray
Power adapter	INPUT: 100-240V 50/60Hz OUTPUT: DC15V 1000mA
Packaging accessories	1 pair of U-shaped aluminum spray powder mounting bracket, 1 pair of ABS screw handles (M6×12)
Net weight	0.85kg
Gross weight	1.35kg (Including 1 external power adapter)
Warranty	1 Year
Certification	CE

Use of the product

Installation Step / Installation Position / Packaging Accessories

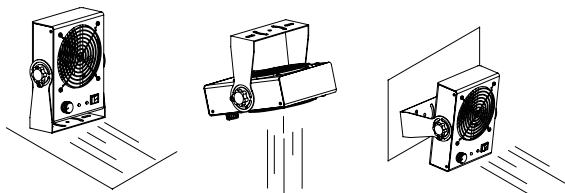
◆ Installation step

01



- Take out the power adapter from the packing box and connect the ionizing air blower.
- Place the ionizing air blower close to the working area (about 300-750mm away from the object with electrostatic to be eliminated), and the air outlet of the ionizing air blower must be vertically aligned with the object to be eliminated.

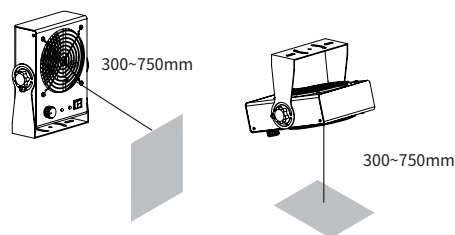
02



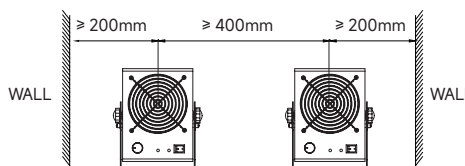
- Use screws or bolts to fix on a firm and flat surface (such as a wall or shelf) . The angle of ionizing air blower can be adjusted by the knobs on both sides of the bracket to achieve the best static elimination effect.

◆ Installation Position

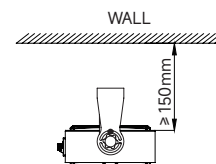
- Place the ionizing air blower in the work area where static electricity is to be eliminated and the installation angle is perpendicular to the surface of the charged body.



- Ionizing air blower should be at least 300mm away from the metal conductor and metal grounding body. The ionizing air blower must be reliably connected to the ground wire.
- Two ionizing air blowers should be installed side by side with an interval of more than 400mm and more than 200mm away from obstacles such as walls.



- The installation angle should be placed in the working area to eliminate static electricity when using the ionizing blower.



◆ Packing accessories

Part name	Picture	Part No.	Specification	Qty.
Switching power adapter (national standard plug)		AP4705000	DSS28-1502000-A 100-240V 1.0A 50/60HZ DC15V-2.0A wire length 2m	1

Safety warning

- Please read the instruction manual carefully before installing and using this equipment.
- The whole set of equipment must be reliably grounded during use, and the connection resistance of the electrical connection to the AC equipment ground should be less than 1 ohm.
- Do not use this equipment in environment where humidity is > 70%.
- It is strictly forbidden to use this equipment in flammable and explosive environments.
- Unauthorized disassembly of the product is strictly prohibited, internal maintenance and repair must be performed by professionals.
- The product is strictly prohibited to touch liquid during use, otherwise an abnormality may occur and cause electric shock or fire.
- Power must be turned off during inspecting or replacing the product, otherwise it may cause electric shock or fire.
- The product is specially designed to eliminate static electricity. It is strictly forbidden to use it for other purposes. Any abnormal use may cause machine failure, electric shock, fire and other accidents.
- It is strictly forbidden to touch the electrode needles when power is on, otherwise it is easy to cause malfunctions and electric shock accidents.
- The electrode needle is a sharp metal object, please use it with care.
- Please check the specifications of the power supply before powering on the product. Any power supply that does not meet the specifications will cause damage to the product.
- Please check the product power cord/communication cord regularly and replace it immediately if it is damaged. Otherwise it is easy to cause problems such as electric leakage, poor communication, and abnormal operation.

Trouble shooting

NO	Problems	Reasons	Solutions
1	The indicator on the fan panel is off	Poor contact of the power cable	Check whether the power cable is in good condition and securely connected
		Power supply mismatch	Confirm the power supply specification (INPUT: 100—240VAC 50/60Hz; OUTPUT: 24VDC 2000mA)
2	The electrostatic removal performance decreased obviously	Discharge needle is polluted and damaged	Clean or replace the discharge needle
		Ionizing air blower is set incorrectly	Confirm the best installation location
3	The electrostatic removal performance decreased	There are conductors or other ionizing air blower around	Remove (moving) conductors or other ionizing air blowers
4	Unable to discharge	High voltage module is damaged	Return to factory for maintenance
		Main-board chip is damaged	Return to factory for maintenance
5	The product is smoky or burnt	The high-voltage module is damaged or the insulation of the discharge bracket is damaged	Return to factory for maintenance

Maintenance

- The fan should be cleaned and maintained in time according to the use environment and the required electrostatic protection requirements in order to ensure the good performance of the product. That is, gently remove the dust on the electrode, discharge bracket, fan and metal mesh cover with electrostatic brush, dust-free cotton swab, dust-free cloth dipped in anhydrous alcohol. Note:
 - A. Operation must be done 10 minutes after power cut of.
 - B. The cleaning cycle of the electrode needle should be set according to the working environment during use of the fan. It should be appropriately reduced in the environment with more humid and dusty.
 - C. The fan must be powered on after alcohol is completely volatilized after cleaning. No other organic solvent can be used to clean the fan.
 - D. The alloy electrode is a consumable product which is not included in the scope of warranty and will be charged for replacement when repairing.
- Do not press or rotate the control buttons on the fan panel too hard; otherwise, the device will be permanently damaged.
- If the working indicator light on the front panel of the fan is off or red, it should be stopped and repaired by professional maintenance personnel. It can be used only after the electrical performance index is normal.

After-sales service

- AP-M001 ionizing air blower has undergone rigorous testing and aging treatment before ex-work. Its performance has completely reached the relevant indicators marked in the usage instruction.
- AP&T makes a commitment to the customer that any defective parts inspected by AP&T will be repaired or replaced free of charge within one year from the date of purchase. However, this commitment does not apply to:
 - 1. The device is incorrectly used or installed.
 - 2. Damage caused by negligence or accident during use;
 - 3. Modified, disassembled or repaired by other service departments not authorized by Anping Company.
- AP&T shall not be liable for any incorrect use of the products except for repair or replacement of parts as specified above.

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SPECIALITY CREATES VALUE

Professional electrostatic intelligent monitoring/analysis
and elimination solution provider

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