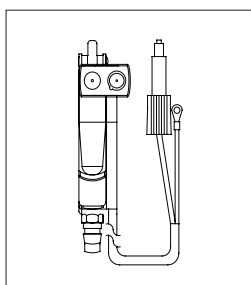
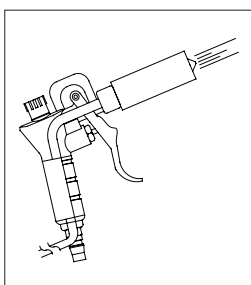


AP&T®

IONIZING AIR GUN

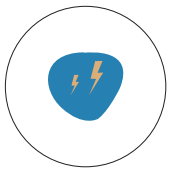
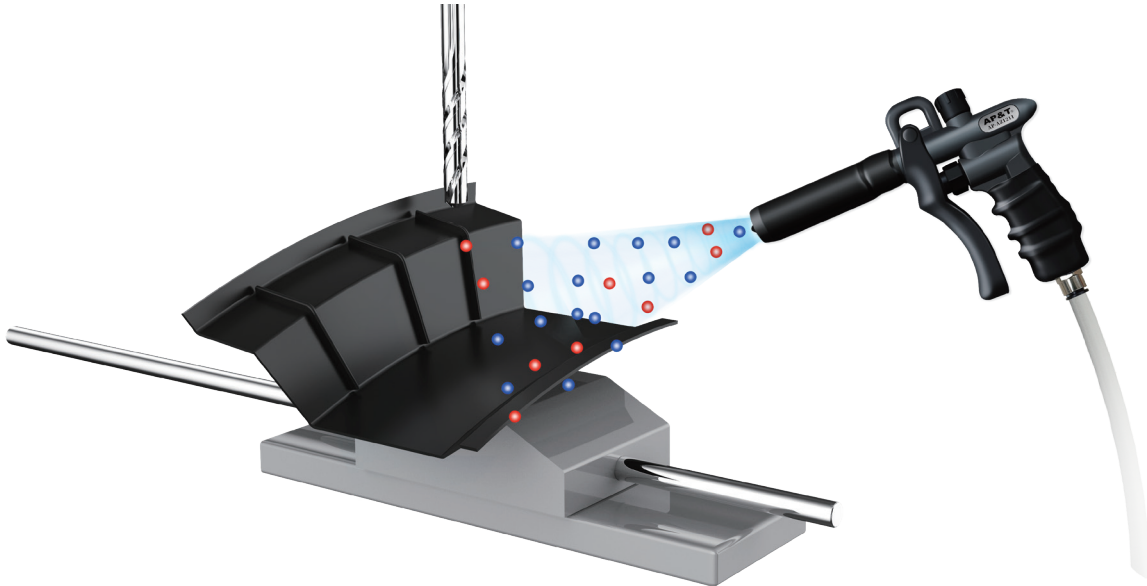
-EUROSTAT-
60-200-0115A



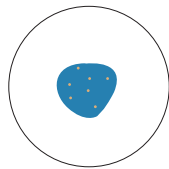
— AP&T —
AP - AZ1211

Suitable for electronics, injection molding, machinery, and other industries

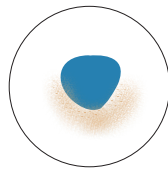
Local Area Static Removal Completely Dust Removal



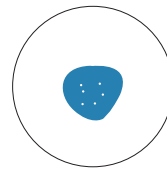
Static removal



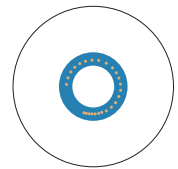
Prevent adhesion
of objects



Prevent sticking



Remove
surface dust



Prevent uneven
scattering

Static Removal X Dust Removal

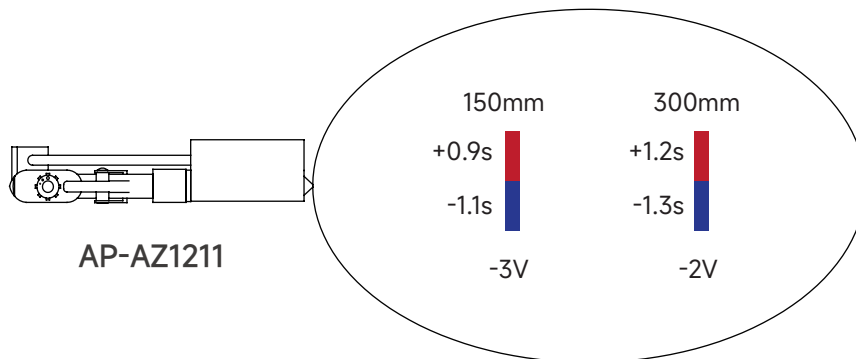
High-Efficiency Static Elimination

Stay away from static troubles, providing you with a clean production environment

◆ Product Profile

The AP-AZ1211 ionizing air gun is one of the series products produced by Anping (AP&T) for eliminating static electricity on object surfaces. It is a fast and efficient static elimination and dust removal device designed to provide static protection for target object surfaces.

◆ Discharge Effect



Test Standard: ANSI/ESD.STM3.1, ANSI/ESD.SP3.3, SJ/T 11446—2013

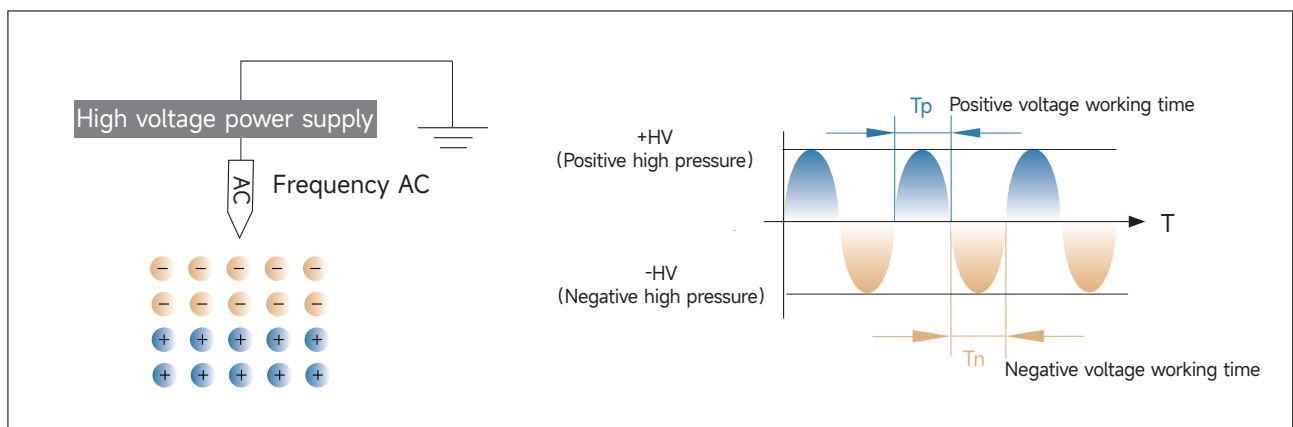
Test Instrument: Trek156A Electrostatic Voltmeter

Test Voltage: $\pm 1000V \rightarrow \pm 100V$ Attenuation

Test Environment: Humidity: $50 \pm 5\%$; Temperature: $23 \pm 3^\circ C$

◆ Working Way (AC)

The AP-AZ1211 ionizing air gun uses high-voltage AC, connected to a special emitter electrode, ionizing the air to produce positive and negative ions, which are then transported by compressed air to the surface of the object to be neutralized, effectively and reliably eliminating static charges.



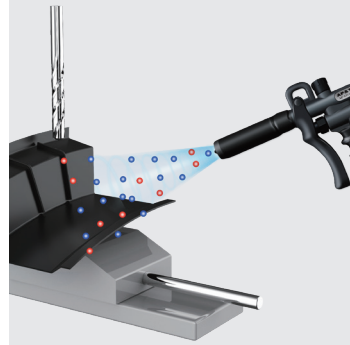
Features

Focus on Safety, Ease of Use, Durability



■ Compact Size

It is a gun-type active static eliminator, easy to operate, flexible, and reliable in performance



■ Long-Distance Static Elimination

Assisted by a compressed air source, it can eliminate static at a greater distance



■ Safety

Operates under high voltage, micro-current conditions, ensuring safety and reliability



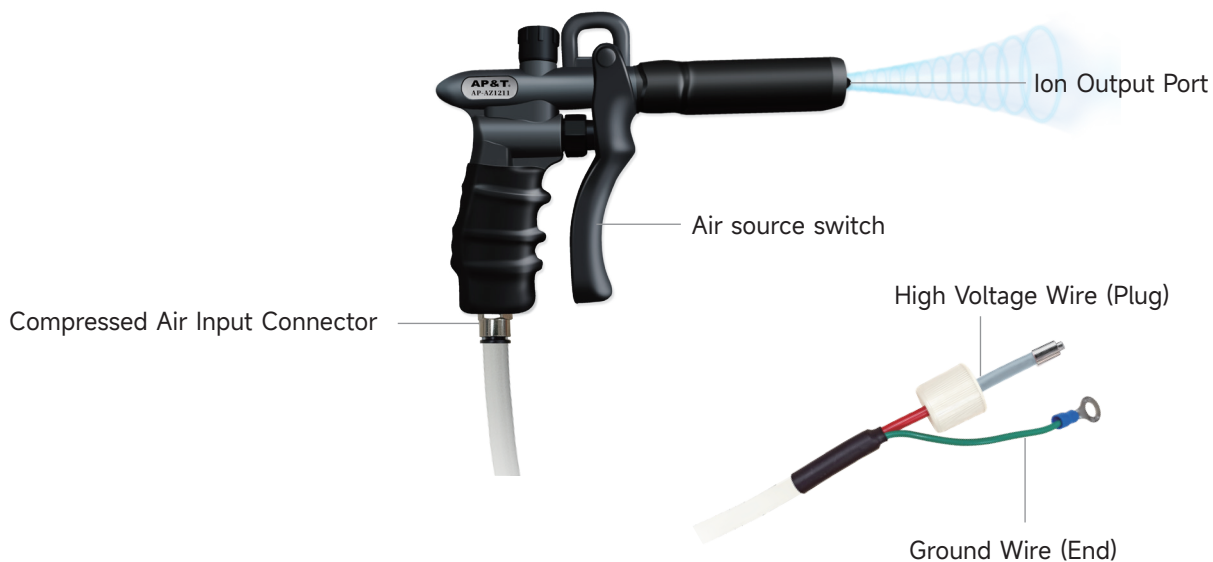
■ Dedicated High Voltage Power Supply

Equipped with the dedicated AP-AY2201 high voltage power supply

Product Specifications

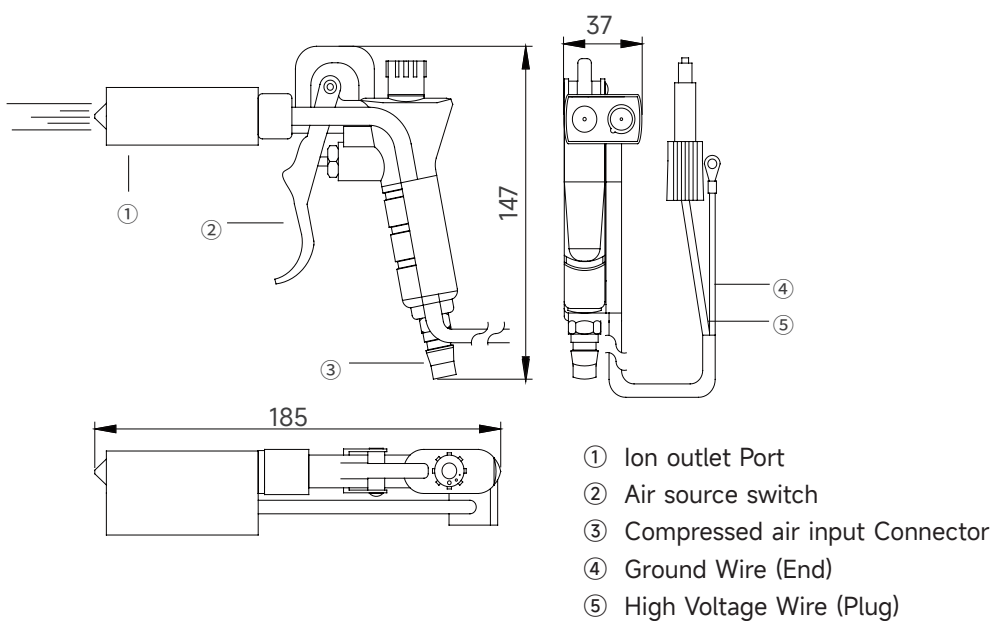
Product Appearance / Product Dimension / Product Parameter

◆ Product Appearance



◆ Product Dimension

Unit: mm



Product Specifications

Product Appearance / Product Dimension / Product Parameter

◆ Product Parameter

Model	AP-AZ1211
Working voltage	AC4600V
Power	< 10W
Discharge speed	≤ 1.5s (150mm directly in front of the air gun)
Ion balance	≤ ±30V (150mm directly in front of the air gun)
Air pressure	0.2 ~ 0.6MPa
Working temperature	0—50° C
Air connector	Φ8mm (Customizable upon request)
High voltage wire length	3M
Dimensions	185*37*147 (L*W*H)
Net weight	450g (Including 3m high voltage wire)
Gross weight	510g
Supporting power Supply	AP-AY2201

Product Usage

Usage Steps / Installation Position

◆ Product Usage Steps

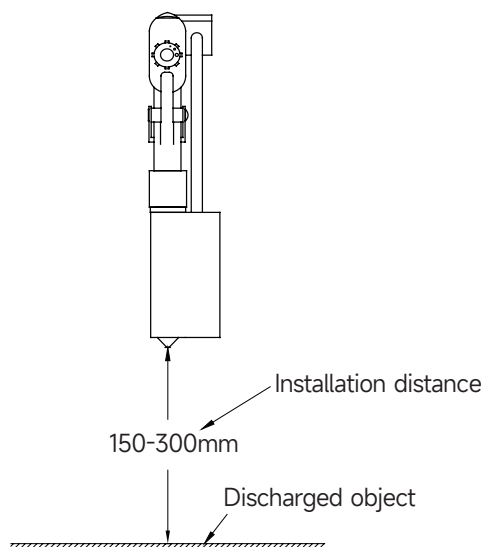


Standard Configuration
AP-AY2201

- Determine the optimal static elimination position for the air gun.
- Insert the $\Phi 8$ compressed air pipe into the air source interface of the air gun.
- Connect the high voltage wire and ground wire of the air gun to the high voltage power supply.
- Insert the standard power plug into the socket of the high voltage power supply.
- Turn on the high voltage power switch, and the indicator light will show that it is working.

◆ Product Installation Position

- When using the ionizing air gun, it should be placed within the working area of static elimination (approximately 150-300mm from the surface of the object to be neutralized). The discharge angle should be perpendicular to the surface of the charged object.
- The ionizing air gun must be reliably connected to the ground wire, with a grounding resistance of less than 4 ohms.
- No other objects should cover the surface of the ionizing air gun.



Safety warning

- Please read the instruction manual carefully before installing and using this equipment.
- The entire set of equipment must be reliably grounded during use, with a grounding resistance of less than 4 ohms; otherwise, the air gun and high voltage power supply may malfunction or be damaged.
- This equipment should not be used in environments with humidity greater than 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 carried out by professionals.
- The product must not come into contact with conductive or corrosive liquids, as this may cause abnormalities, electric shock, or fire.
- When inspecting or replacing the product, the power must be turned off to avoid electric shock or fire.
- The product is designed for static elimination only and must not be used for other purposes. Any improper use may cause machine failure, electric shock, or fire hazards.
- Do not touch the electrode needles while the power is on, as this may cause malfunction and electric shock accidents.
- The discharge needle is a sharp metal object; please use it carefully.
- Before powering on the product, check the power supply specifications. Any non-compliant power supply may damage or cause the product to malfunction.
- Regularly inspect the product's power cord, and replace it immediately if damaged to avoid electric leakage or operational issues.
- When using the air gun, install an air purification filter device at the air source interface to ensure the air entering the air gun is dry and clean. This prevents water vapor from entering the air gun nozzle and causing a high-voltage short circuit, which could affect normal use.

Trouble shooting

NO.	Problems	Reasons	Solutions
1	The electrostatic removal performance decreased obviously	Discharge needle contamination and damage	Clean or replace the ion air gun
2	Reduced static elimination performance	Conductors or other static eliminators present around the ion air nozzle	Remove (move) conductors or other static eliminators
3	Unable to eliminate static	High voltage connection line damage	Return to factory for maintenance
		Insulation damage of the ion air	
		Poor grounding or no grounding	Check the grounding of the ion air gun, high voltage power supply, and factory equipment
4	Product damage due to burning	Insulation damage of the ion air	Return to factory for maintenance

Maintenance

- To ensure the good performance of this product, clean and maintain it regularly according to the usage environment and static protection requirements. Use an anti-static brush, dust-free cotton swab, or dust-free cloth moistened with anhydrous alcohol to gently remove carbon deposits or white deposits from the discharge electrode. This will significantly improve its performance. Note:
 - A. Operation must be done 10 minutes after power cut off.
 - B. During the use of the ionizing air gun, clean it when white deposits appear on the needle tip. If the brush does not meet the cleaning requirements, use a dust-free cotton swab dipped in anhydrous alcohol for cleaning.
 - C. After cleaning, wait for the alcohol to completely evaporate before powering on. Do not use any other organic solvents to clean the bar.
- If burn marks are found on the ionizing air gun, stop using it and have it inspected and repaired by professional maintenance personnel. Use it only after the electrical performance indicators are normal.

After-sales service

- The AP-AZ1211 ionizing air gun undergoes rigorous testing, inspection, and aging treatment before leaving the factory, ensuring that its performance fully meets the relevant indicators stated in the user manual.
- AP&T makes the following commitment to users: within one year from the date of purchase, the company will repair or replace any defective parts inspected by our company free of charge. However, this commitment does not apply in the following situations:
 - (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.
- Alloy electrodes are consumable items and are not covered by the warranty. Replacement will be charged during maintenance.
- AP&T does not assume any obligations or liabilities to the product user beyond the repair or replacement of parts specified herein.