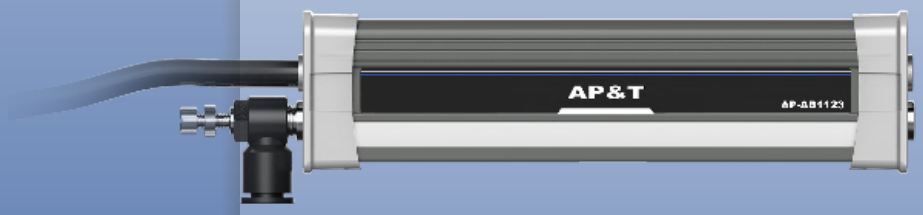
AP&T®

Shanghai Anping Static Technology Co.,Ltd

New Upgrade

High Efficiency Electroshock-proof AC Ion Bar

AP-AB1123



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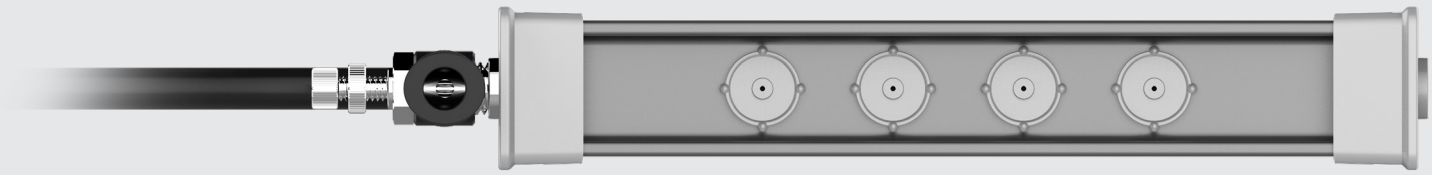
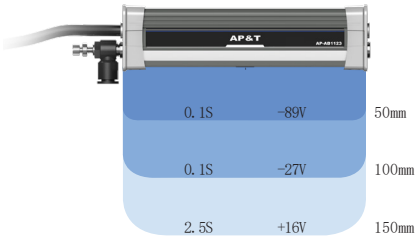


Discharge test

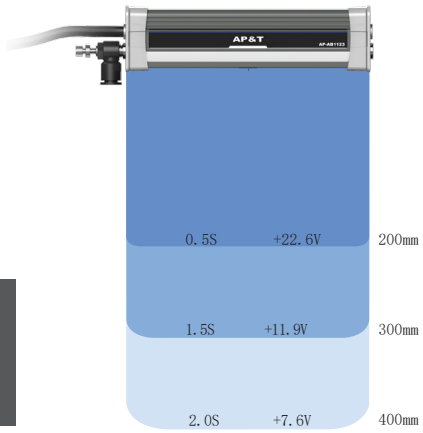
Discharge speed within 0.5s for distance 200mm and within 2.0s for distance 400mm.

Without air source



With air source

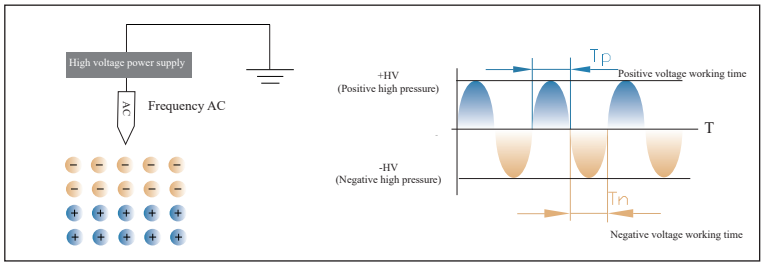
Air pressure : 0.3MPs
bar length : 1000mm



Test standard: ANSI/ESD.STM3.1, SJT 11446—2013
Test instrument: Trek157 static tester
Test voltage: ±1000V → ±100V attenuation
Test environment: humidity 50±5%; temperature 23±3°C

Working way

Power frequency AC mode for better dust resistance and lower electrode loss.



Features

Safe / Easy to use / Durable

No.1

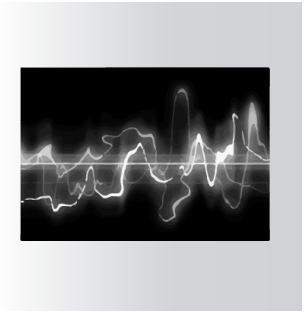
Electroshock-proof

Protection against human shock.

No.2

Standard tungsten alloy needle

Tungsten alloy has a longer service life compared with titanium and silicon materials.



No.3

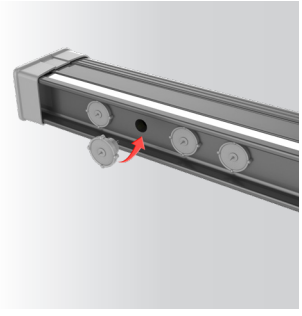
CE certification

It can effectively prevent the external electromagnetic interference from affecting the normal operation of the ion bar. This is a static electricity eliminator with high safety and high reliability.

No.4

Easy to replace the discharge part

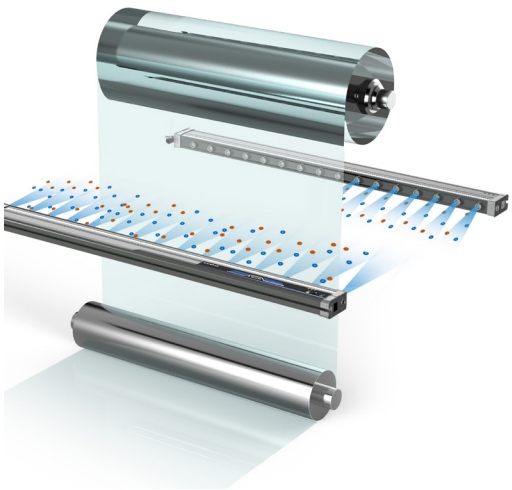
Rotating the needle holder counterclockwise to replace the needles when it is damaloss off.



Industry application

Film, plastic, textile, printing
and other industries

Textile Industry

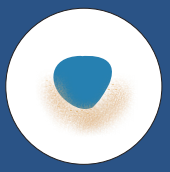


Film Industry

Static removal

Prevent adhesion of objects

Prevent sticking

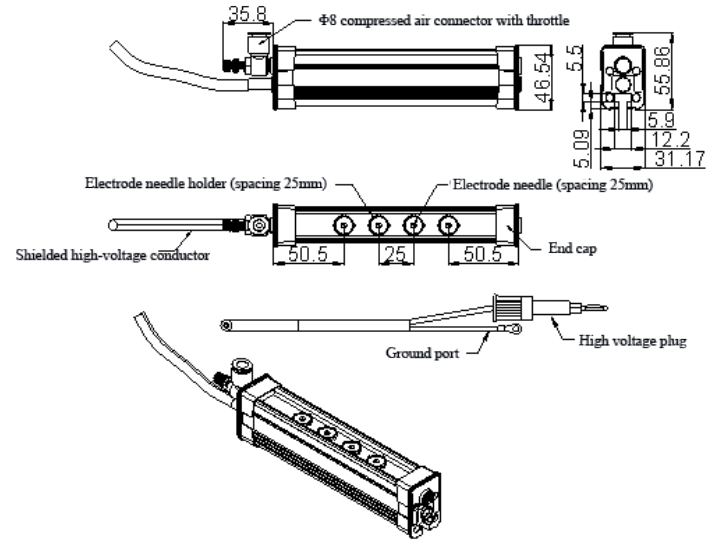


Control ink splashing

Prevent uneven scattering

Dimension

Unit: mm



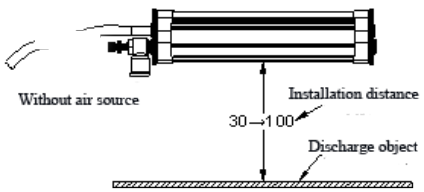
Installation steps

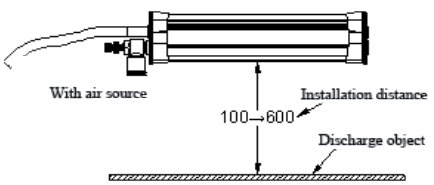
1. Firmly install bar body and matching high-voltage power supply in the best discharging position.
2. Insert the high-voltage plug of bar body into the matching high-voltage power supply high-voltage output connection seat.
3. Connect the grounding terminal of bar body to the grounding stud of the high-voltage power supply.
4. Turn on the power switch and positive and negative ions will be generated at the electrode needle to neutralize the static electricity on the surface of the object.

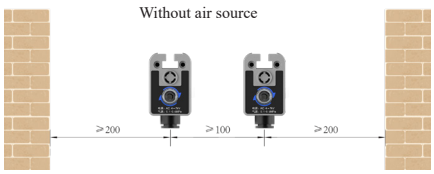
Supporting power supply	
	
1 for 1 ion bar connect	1 for 2 ion bars connect

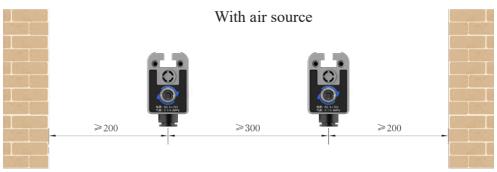
Installation tips

1. Ion bar should be placed in the working area where static electricity is to be eliminated. The installation angle should be perpendicular to the surface of the discharged body.
2. Ion bar should be at least 30mm away from the metal conductor and metal grounding body around the electrode and the bar body must be reliably connected to the ground wire.
3. Ion bar ground electrode is not allowed to be covered by other objects.
4. Two ion bars should be install side by side with an interval of 100mm (non-ventilated)/300mm (ventilated) or more and more than 200mm away from obstacles such as walls.





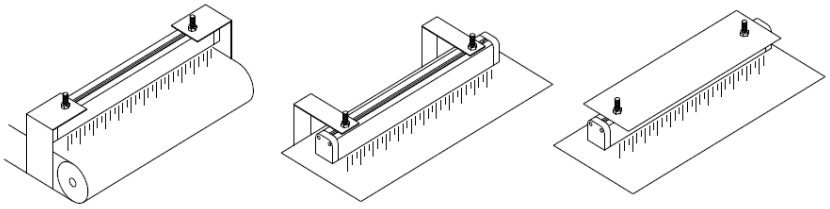




Specification

Model	AP-AB1123
Working voltage	one bar length ＜ 1m or two bars length ＜ 1m：AC5600V one bar length ≥ 1m or two bars length ≥ 1m：AC7000V
Power	20W
Ion emission	Power frequency AC
Emitter electrode	SUS
Discharge structure	Resistance coupling
Discharge range	without air source：（150mm→3000mm）*300mm*100mm
	with air source：（150mm→3000mm）*300mm*600mm
Installation distance	without air source : 30→100mm
	with air source：100→600mm
Ion balance	≤|±30V|（AVG）
Discharge speed	without air source : ≤1.0S (Test distance 300mm)
	with air source：≤2.0S (Test distance 300mm)
Compressed air connector	Φ8-G1/8 Black
Compressed air requirement	Clean dry air
Working temperature	0℃ - 45℃
Working humidity	＜ 70%
Dimensions	（150mm→3000mm）*31.2mm*46.5mm
Bar material	Flame retardant PVC, SUS
Packaging accessories	M5-12*12*4 square mounting nuts
Power supply	AP-AY1506 : one bar length ＜ 1m；AP-AY2506 : two bars length ＜ 1m AP-AY1504 : one bar length ≥ 1m；AP-AY2504 : two bars length ≥ 1m
Power cord	2.5m (Can be customized according to requirements, Max size is 10m)
Warranty	1 year
Certification	CE

Installation



AP&T®

Speciality Creates Value

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