

INTELLIGENT DC IONIZER WITH REMOTE CONTROL SYSTEM



E-AID101N



Remote
controller



E-AID202N



E-AID303N

Model	E-AID101N	E-AID202N	E-AID303N
Input voltage	AC220V / 50HZ DC24V / 1A	AC220V / 50HZ DC24V / 3A	AC220V / 50HZ DC24V / 3A
Power consumption	15W	30W	45W
Output air volume	≤2.5m ³ / min 90CFM	≤2.5m ³ / min 90CFM*2	≤2.5m ³ / min 90CFM*3
Ion balance	0 ± 10V	0 ± 10V	0 ± 10V
Elimination time	≤1S	≤1S	≤1S
Overall dimensions	190 (W) * 75 (D) * 218 (H) mm	600(L) * 160 (W) * 90 (H) mm	900 (L) * 160 (W) * 90 (H) mm

Features:

- ◆ The device designed with a remote control system, which help you control the device easily even it is installed in a hard-to-reach position. All functions can be locked through a button on the remote control
- ◆ 8 steps of air blow speed continuously adjustable, can display the ion balance and the current wind speed.
- ◆ Equipped with self-feedback ion balance adjustment mechanism, that is, as long as the hardware balance is normal, the ionizer will automatically self ion balanced.
- ◆ With automatic cleaning function, and the automatic cleaning time can be adjusted. Default seting is cleaning every 4hours. Adjustable ranges from 1 to 24 hours.
- ◆ Can be customized single fan, double fans, triple fans, etc.

DC IONIZING EQUIPMENT

AUTO CLEAN

ION BALANCE INDICATING



DC-001Z

Features:

- Digital Ion balance display
- Self clean function
- Variable speed fan with wide range of air flow
- Inherently balanced ion output
- Ionization indicator lamp
- With warm function(optional)
- Ionization failure alarm



DC-001ZH with Heater



Model	DC-001Z	DC-001ZH
Input Voltage	DC-24V (100-240V,50/60Hz)	220V 50Hz
Current Consumption	0.3-0.65A	0.3-1.0A
Operating Temperature	-10 to 45 C degree	-10 to 45 C degree
Air Velocity	110CFM (Max.)	110CFM (Max.)
Ion Balance	+/- 5V	+/- 5V
Decay Time	≤ 2.0s (300mm)	≤ 2.0s (300mm)
Size	L154*D68*H220mm	185*D110*H243mm

ESD ENTRANCE GATE

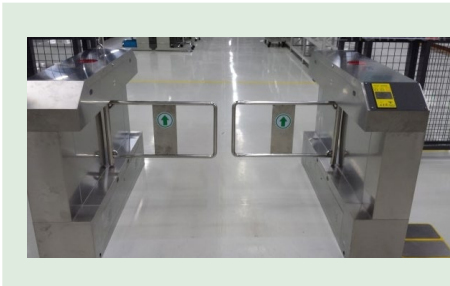


E-EG01

Features:

- ◆ You only need to install the access control management software system on any computer of your company. By using RS485 communication technology, you can connect 256 human comprehensive test equipment (256 wing gate channels) to monitor whether the employees' anti-static requirements meet the standards in real time.
- ◆ The gate is made of high-strength stainless steel, and the baffle is made of transparent plexiglass plate. The wing gate is equipped with anti-trapping and alarm functions, and 5 sets of infrared sensor probes are installed to sense the passing of the human body.
- ◆ The computer records and displays the static test data and identification data of the card reader in real time, such as job number, name, entry and exit time, etc. The event data can generate Excel analysis tables for managers to use. The card reader is compatible with your company's employee card, No need to disturb the issue of re-issuance.
- ◆ The software system has two modes to choose from: one is to pass the card and pass the inspection, and the other is to facilitate the use of the visitors without swiping the card.
- ◆ There are 4 modes to choose from in the static test system: 1. Free pass mode 2. Single card recognition (wrist band mode) 3. Single card recognition (two-leg mode) 4. Single card recognition (wrist band + feet). No need for manual conversion, all set on the software, automatically recognize the permissions of employees.
- ◆ There are 3 groups of LEDs on the card reader that display the test results in real time, at a glance, and the alarm sounds.
- ◆ The independent development of the software system is safe and reliable. It takes less than 5 seconds to conduct a complete test, which is convenient and fast.

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- ◆ Optional 3 types of gate style
- ◆ Optional BS/CS computer system
- ◆ Optional ID/IC, Finger print or face recognition reading
- ◆ Optional LCD display or Lamp indicator for testing result.
- ◆ Optional Bridge or Round style of stands.

ESD ENTRANCE GATE SYSTEM



E-T04



E-T05



E-T06

Features

1. Real-time detection of a variety of preset different anti-static situations, e.g. wrist straps, shoes, and can be connected to the access control system.
2. Real time test result displayed, and the warning light and wind chime will automatically alarm if the requirement exceeds the requirement.
3. Ethernet output, external power supply and relay, data storage, offline operation.
4. Three testing mode selections.
5. Quick response, less than 5 seconds.
6. Automatic identification of personnel
7. Real-time recording and display of test event data, Excel analysis table can be generated and printed, for users to call and manage.
8. Reliable independent computer software.

Technical Parameters

- ◆Electrostatic bracelet low value: 750K Ω high value: 10M Ω (control range: low value 100K Ω high value 35M Ω)
- ◆Electrostatic shoes setting value: 750 K Ω -100M Ω electrostatic shoes Low value: 750K Ω High value: 100M Ω (adjustable range: low value 100K Ω high value 1000M Ω)
- ◆Working voltage: voltage \leq 400V (peak, DC or AC), switching current \leq 130mA, contact resistance \leq 30 Ω 4. Passed test: contact closed, failed test: contact did not close
- ◆Operating temperature: 0°C-45°C
- ◆Operating humidity: \leq 80%
- ◆Test accuracy: \pm 5-10%
- ◆Product specifications: 145x 105 x 25mm (host) 140 x 130 x 10mm (pedal)
- ◆Product weight: 3.8kg (host) 4.2kg (pedal)
- ◆Computer hardware: CPU above PC800M, memory above 128M, remaining hard disk space above 1G.
- ◆Computer software: Chinese Windows98/2000/xp operation system operating system.
- ◆Comply with the verification requirements of "6.1.3.2" of ANSI ESD S20.20.

SMART AC IONIZING EQUIPMENT



Smart AC E-001S



Miniature Ionizing Fan E-001M

Features:

- Real time digital Ion balance display
- Auto- clean function, 1-4 hours cleaning time seting
- 3-grade Air volume adjustable, 7 leaves big air volume fan
- Inherently balanced ion output
- Ion balance within -10V-+10V,Ionization Overvoltage alarm.
- Decay time: <1.3s

	E-001S	E-001M
Input Voltage	110V/220V AC	DC 24V
Size	180W*250H*100Dmm	85L×30W×110Hmm
Weight	3.5kg	0.5kg
Ion balance	-10V-+10V	-15V--+15V
Decay time	<1.3s	1.8s
Noise	<65dB	< 45dB
Working Temp	0-50°C	0-50°C
Enclosure	Steel	Stainless steel

BENCHTOP IONIZING EQUIPMENT



E-001



DC-001

Features:

- Quickly neutralized static charges
- Portable, adjustable fan speed.
- Silent, ionization indicator.
- Can be desktop, overhead or under shelf.



DC-001B

Model	E-001	DC-001B	DC-001
Input Voltage	110v/60Hz,220V/50Hz	110v/60Hz,220V/50Hz	110v/60Hz,220V/50Hz
Current Consumption	0.4/0.2A	0.28-0.14A	0.28-0.14A
Operating Temperature	-10 to 45 C degree	-10 to 45 C degree	-10 to 45 C degree
Air Volume	45-110CFM	50-90CFM	45-110CFM
Ion Balance	+/- 10V	+/- 10V	+/- 10V
Decay Time	≤ 1.6s (300mm)	≤ 1.2s (300mm)	≤ 1.2s (300mm)
Size	190*95*260mm	180*90*198mm	180*90*198mm

AC IONIZING EQUIPMENT



Model	E-002	E-003	E-4000
Input Voltage	110v/60Hz,220V/50Hz	110v/60Hz,220V/50Hz	110v/60Hz,220V/50Hz
Power Consumption	65VA	100VA	110VA
Operating Temperature	-10 to 45 C degree	-10 to 45 C degree	-10 to 45 C degree
Weight	4.5kg	6.4kg	6.7kg
Ion Balance	+/- 10V	+/- 10V	+/- 10V
Decay Time	≤ 1.3s (300mm)	≤ 1.3s (300mm)	≤ 1.3s (300mm)
Size	600*170*125mm	1100*170*125mm	1100*170*125mm

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Features:

- Extensive air coverage, air flow adjustable.
- Customized fan quantity
- can be desktop or overhead

AC IONIZING EQUIPMENT



Model	E-3000N	E-4000N	E-5000N
Input Voltage	110v/60Hz,220V/50Hz	110v/60Hz,220V/50Hz	110v/60Hz,220V/50Hz
Power Consumption	80VA	100VA	120VA
Operating Temperature	-10 to 45 C degree	-10 to 45 C degree	-10 to 45 C degree
Weight	5.2kg	6.8kg	9.5kg
Ion Balance	+/- 10V	+/- 10V	+/- 10V
Decay Time	≤ 1.3s (300mm)	≤ 1.3s (300mm)	≤ 1.3s (300mm)
Size	600*170*125mm	620*220*100mm	1000*170*125mm

Features:

- Extensive air coverage, air flow adjustable.
- Customized fan quantity
- can be desktop or overhead

DC OVERHEAD IONIZED AIR BLOWER



E-003DC



E-ALD303

Feature:

- Cover an extended area with ionized air
- Quick and stable static elimination performance
- Air flow adjustable
- Emitter auto cleaning (E-ALD303)
- LED lamp (E-ALD303)

Model	E-003DC	E-ALD303
Input Voltage	110v/60Hz,220V/50Hz	110v/60Hz,220V/50Hz
Power Consumption	Max. 30VA	Max. 50VA
Operating Temperature	-10 to 45 C degree	-10 to 45 C degree
Air Volume	3*89.1CFM	3.89.1CFM
Ion Balance	+/- 5V	+/- 5V
Decay Time	≤ 1.0s (300mm)	≤ 1.0s (300mm)
Size	1076*170*90mm	1076*170*90mm

HORIZONTAL IONIZED AIR BLOWER



Feature:

- Cover an extended area with ionized air
- Air flow adjustable
- Optional warm air function
- Overhead or Desktop installation

Model	E-H001	E-H002
Input Voltage	110v/60Hz,220V/50Hz	110v/60Hz,220V/50Hz
Power Consumption	Max. 250VA	Max. 250VA
Operating Temperature	-10 to 45 C degree	-10 to 45 C degree
Air Volume	50-100CFM	50-95CFM
Ion Balance	+/- 10V	+/- 10V
Decay Time	≤ 1.3s (300mm)	≤ 1.3s (300mm)
Size	460*225*190mm	580*230*170mm

SAFE IONIZING AIR NOZZLE



HF-001

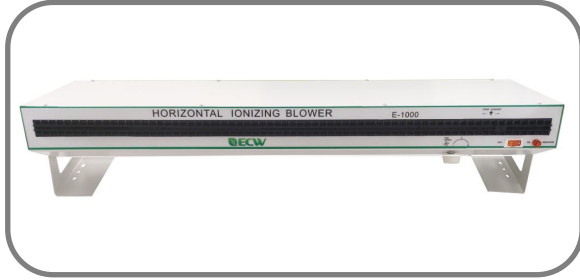
Features:

- Equipment High eliminate the static charge.
- Quickly and safely neutralizes static surface charges to protect sensitive parts against electro-static discharge Provides a burst to dislodge and remove particles held by static attraction, Low-voltage power supply provides intrinsically balanced stream of ions with minimal EMI/RFI.
- Discharge time: 1000V to 100V in less than one seconds (inlet pressure of 30 psi, measured at 6" from target).
- Includes transformer and convenient hanging bracket. Terra's Ionizing Air Gun provides a safe, highly effective means of removing small contaminants from sensitive surfaces and minimizing the chance of ESD-related damage.

Input Voltage	DC-24V
Max. Power Consumption	2.4VA
Output Voltage	AC2.0KV
Operating Temperature & Humidity	32°F(0°C)-122°F(40°C) ≤ 60%
Input Line Pressure	0.05-0.8Mpa
Decay Time	0.6 seconds (measured at 1000V-100V,6" from target at 20 psi)
Ion Balance (300mm)	≤ +-15V
Weight	280g

- Safe, Trouble-Free Operation. Its low input voltage (24 VAC) design eliminates shock hazards to both operators and parts. It also minimizes EMI (electro-magnetic interference) making it safe for operation around high-precision electronics equipment.
- All components are designed for cleanliness, durability, and safety. The rugged polymer case is designed to minimize strain to operator wrist and hand. The scalloped nozzle tip safely recesses the ion emitters to guard against contact with operator or parts. Emitters are made of corrosion-resistant titanium to ensure a long service life.

HORIZONTAL IONIZED AIR BLOWER



Feature:

- Cover an extended area with ionized air
- Air flow adjustable
- Optional warm air function
- Overhead or Desktop installation



Model	E-1000	E-H001(2)	E-H001(3)
Input Voltage	110v/60Hz,220V/50Hz	110v/60Hz,220V/50Hz	110v/60Hz,220V/50Hz
Power Consumption	Max. 85VA	Max. 70VA	100VA
Operating Temperature	-10 to 45 C degree	-10 to 45 C degree	-10 to 45 C degree
Airflow area	70-120CFM*2	70-120CFM*2	70-120CFM*3
Ion Balance	+/- 10V	+/- 10V	+/- 10V
Decay Time	≤ 1.2s (300mm)	≤ 1.2s (300mm)	≤ 1.3s (300mm)
Size	900*210*190mm	800*210*190mm	1200*210*190mm
Weight	11kg	9.5kg	13kg

IONIZING AIR DRUM



EC-1008

Features:

- Strong wind power, eliminating static electricity quickly;
- The airflow coverage area is large, good for the large electrostatic area;
- suitable for cutting, bending, plastic parts conveying and packaging process electrostatic dust removal;
- The ionizing air drum has a good grounding protection function.

Input Voltage	220VAC/380VAC
Max. Power	Max. 370W
Working Temperature	-10 to 45°C
Air Volume Range	335-410CFM
Air Coverage	60*300cm
Weight	19kg
Size	500*240*370mm

Testing Condition	
Testing Voltage	+ -1000KV to + -100V
Operating Voltage	7.0KV
Environment Temperature	25 °C
Humidity	≤ 60%
Testing Distance	300mm
Decay Time	Positive 1.2s
	Negative 1.3s
Offset Voltage	≤ + -30V

HIGH FREQUENCY IONIZING NOZZLE WITH SENSOR



E-DNS01



E-DN01/E-DN02

Feature:

- Inductive Nozzle. Electrical and gas system work synchronously.
- It is possible to transport ions with hoses or metal tubes.
- Built-in small high-voltage power supply, can use low-voltage DC power supply
- It can accurately eliminate static electricity on the target point

Operating Power	AC220V/110V 60Hz/50Hz
Max. Current Consumption	0.04A/0.02A
Power	≤2W
Operating Temperature	32°F(0℃)-122°F(40℃)
Operating Humidity	≤ 60%
Size	120*55*70mm
Weight	500g/150g
Ion Balance (300mm)	≤ +-15V

IONIZING AIR NOZZLE WITH SENSOR



E-DNS05

Specification

Operating Voltage: 220V

Power Consumption: Max. 35VA

Operating Temperature: -10° C ~ +45° C

Operating Air Pressure: 0.3MPa ~ 0.8MPa

Air Velocity: 10m/sec

High Pressure Air Consumption: Approximately 3m³/hour

Weight: Approximately 4.0kg

Features

- Quick neutralization of static charges;
- Electric shock protection and sound deadener design;.
- Optical sensor switch/Foot switch controls output of HV power and compressed air;
- Adjustable airflow position;
- Air nozzle incorporates with power supply.

Testing Condition	Voltage: +-1000KV-100V	
Temp. & Humidity	23°C	RH: ≤60%
Decay time	Positive	1.3s
	Negative	1.5s
Ionbalance	-50V to + 50V	
Testing Distance	150mm	

IONIZING AIR NOZZLE WITH SENSOR & TIMER



E-DNS06

Features

- Elimination time setting function, help to standardize static electricity eliminating process on the assembly line.
- With inherent protection device, Even high voltage supply output terminal short-circuited, it will not burn, which extremely protecting the safety of workshop.
- With good load characteristics, stable output voltage, and when output capacitance is below 2000 PF, the output voltage could be very stable(< 8%), so it is suitable for static eliminators with electric capacity resistive loads (such as shielded cable connections).
- Less output voltage waveform distortion .
- When the compressed air enters the high pressure supply, the output of air and electricity can be controlled at the same time.

Input Voltage	220VAC/110VAC
Max. Power	38VA
Working Air Pressure	0.3Mpa-0.8Mpa
Size(power supply)	200*150*105mm
Weight	4kg
Sensor(speed of response)	0.1ms

Testing Condition	
Testing Voltage	1000KV-100V
Operating Voltage	4.6KV
Environment Temperature	23 °C
Humidity	≤ 60%
Testing Distance	150mm
Decay Time	Positive 1.0s
	Negative 1.1s
Offset Voltage	≤ +-35V

HIGH FREQUENCY SAFE IONIZING NOZZLE WITH SENSOR



E-DNS09

Features:

- The Safe Ionizing Nozzle applies the latest technology, which adopts a small voltage transformer converting the DC Input power into Safe low-voltage AC Power. No external high-voltage components and high-voltage wires, it is convenient to add different components and apply to different occasions. It has characteristics as built-in corona discharge ion-eliminating electrode, good ion balance, good static elimination performance and power indication function.
- The Safe ionizing nozzle is equipped with an induction photoelectric switch (the sensing distance is adjustable). When no object passes by the nozzle, the inductive switch automatically turns off the compressed gas, reducing unnecessary waste of compressed air and noise.

Input Voltage	220VAC/110VAC
Max. Power	$\leq 2W$
Working Air Pressure	0.3Mpa-0.8Mpa
Nozzle Length	350mm
Weight	2kg
Sensor(speed of response)	0.1ms

Testing Condition	
Testing Voltage	1000KV-100V
Power Adaptor Input	110V-220V (DC24V)
Environment Temperature	25 °C
Humidity	$\leq 60\%$
Testing Distance	150mm
Decay Time	Positive 1.0s
	Negative 1.0s
Offset Voltage	$\leq \pm 15V$

IONIZING AIR NOZZLE (AC TYPE)



E-DNS08



E-SP100



E-DNS10



E-DNS11

Operating Voltage	4.6KV/SL-289-5.6KV
Power Consumption	65VA
Operating Temperature	-10 to 45 C degree
Operating Air Pressure	0.3-0.8Mpa
Air Consumption	6cbm/H (0.5Mpa)
Ion Balance	+/- 50V
Decay Time	≤ 1.3s (150mm)

Features:

- The body is light and small
- Eliminate static rapidly
- Flexible nozzle tube which can be positioned towards to 360 degree target place.
- Power supply oredered seperately.

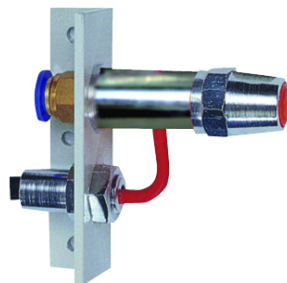
IONIZING AIR NOZZLE (AC TYPE)



E-DN05



E-DN09



E-DN10



**E-PS460/560/700
Power supply**

Operating Voltage	4.6KV/5.6KV/7.0KV
Power Consumption	65VA
Operating Temperature	-10 to 45 C degree
Operating Air Pressure	0.3-0.8Mpa
Air Consumption	6cbm/H (0.5Mpa)
Ion Balance	+/- 50V
Decay Time	≤ 1.3s (150mm)

Features:

- The body is light and small
- Eliminate static rapidly
- Flexible nozzle tube which can be positioned towards to 360 degree target place.
- Power supply ordered separately.

IONIZING AIR GUN



G-004



G-004W



G-004H

Model	G-004H	G-004W	G-004
Operating Voltage	7KV	4.6 KV	4.6 KV
Power Consumption	65VA	110VA	110VA
Operating Temperature	-10 to 45 C degree	-10 to 45 C degree	-10 to 45 C degree
Operating Air Pressure	0.3-0.8Mpa	0.3-0.8Mpa	0.3-0.8Mpa
Air Consumption	6cbm/H (0.5Mpa)	6cbm/H (0.5Mpa)	6cbm/H (0.5Mpa)
Ion Balance	+/- 50V	+/- 50V	+/- 50V
Decay Time	≤ 1.3s (150mm)	≤ 1.3s (150mm)	≤ 1.3s (150mm)

Features:

- G-004H is plastic gun body, light and efficient, adjustable air flow
- G-004/G-004W is metal gun body, focus strong air blow, quick static neutralization.
- Power supply ordered separately.

HIGH FREQUENCY IONIZING AIR BAR

Features:

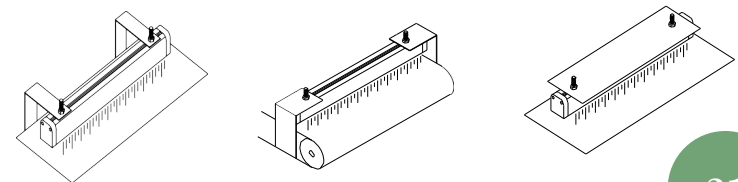
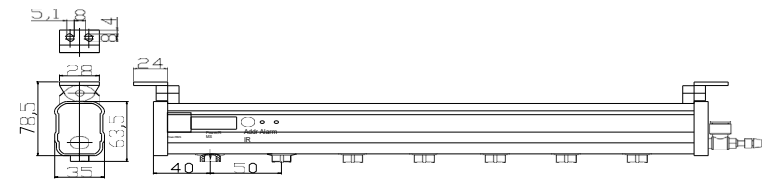
- Bar shaped and cross over static eliminator
- Adjustable positive and negative ion output rate
- Manufactured by using the latest patented technology of static removing
- Fast speed of static removing, low ion balance and high safety
- Adjustable positive and negative ion frequency
- With alarm function of high voltage fault
- Remote control ion output
- Shock-proof function prevent user from being electric shocked



B-03

Model	B-03
Output Voltage	DC+-5KV
Output Frequency	5.30Hz(Default)
Duty Factor	10%-90%
Power	10W
Working Distance	100-1000mm
Ion Balance	$\leq \pm 30V$
Discharge Time	$\leq 2s$ (measured at 300mm)
Working Temperature	$0^{\circ}C - 50^{\circ}C$
Working Humidity	$< 70\%$

overall dimension drawing



Installation

CLEAN IONIZING AIR GUN



X-Gun

Features:

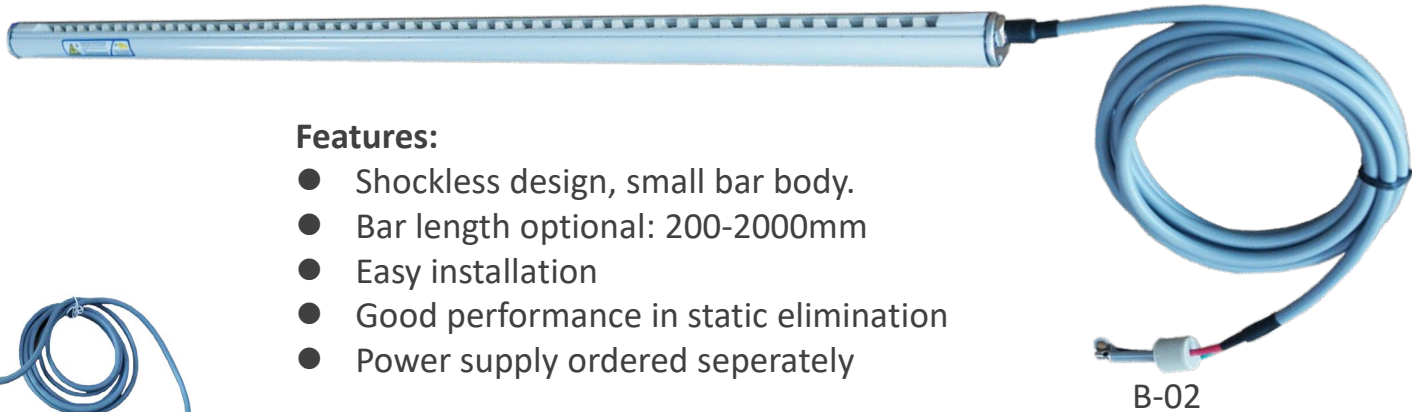
- Forceful blast of ionizing air flow to eliminate dust and static charge
- Light touch switch control
- Adjustable air flow.
- Ergonomic and light weight design with filter.
- Equipped with effective filter, 100 class clean room applicable.
- Sensor Control (optional)



X-Gun-SP

Model	X-GUN	X-GUN-SP
Input Voltage	110v/60Hz,220V/50Hz	110v/60Hz,220V/50Hz
Power Consumption	Max. 88VA	Max. 88VA
Operating Temperature	-10 to 45 C degree	-10 to 45 C degree
Max. Air Pressure	50-100CFM	50-95CFM
Ion Balance	+/- 10V	+/- 10V
Decay Time	≤ 1.3s (300mm)	≤ 1.3s (300mm)
Size	580*230*170mm	460*225*190mm

AC IONIZING AIR BAR



B-02



B-01

Features:

- Shockless design, small bar body.
- Bar length optional: 200-2000mm
- Easy installation
- Good performance in static elimination
- Power supply ordered separately

Model	B-01	B-02	B-04
Operating Voltage	7.0KV	7.0KV	7.0KV
Power Consumption	22VA	22VA	22VA
Operating Temperature	-10 to 45 C degree	-10 to 45 C degree	-10 to 45 C degree
Operating Air Pressure	no air/with air	no air/with air	no air/with air
HV cable Length	3m	3m	3m
Ion Balance	$\leq \pm 50V$	$\leq \pm 50V$	$\leq \pm 50V$
Decay Time	$\leq 1.5s$ (90mm with air)	$\leq 1.5s$ (90mm with air)	$\leq 1.5s$ (90mm with air)



B-04

AC IONIZING AIR BAR



B-05 Stainless Steel Bar



B-06 Aluminum Ion Bar



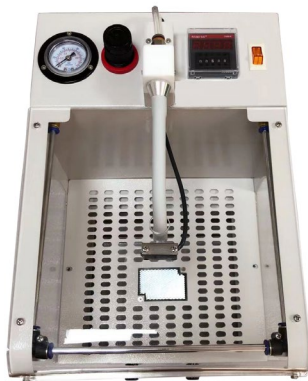
B-07 Copper Bar

Features:

- Shockless design bar body.
- Bar length optional: 100-3000mm
- Easy installation
- Good performance in static elimination
- Power supply ordered separately

Model	B-05	B-06	B-07
Operating Voltage	4.6KV	5.6-7.0KV	5.6KV
Power Consumption	25VA	30VA	30VA
Operating Temperature	-10 to 45 °C	-10-60 °C	-10-60 °C
Bar Diameter	25 or 32mm	NA	32mm
Air Consumption	5sqm/H(0.5Mpa)	with or without air	without Air
HV cable Length	3m	2m	3m
Ion Balance	≤ +/- 50V	≤ +/- 30V	≤ +/-50V
Decay Time	≤ 1.0s (90mm)	≤ 0.3S (10-30mm)	≤ 1.2s (90mm)

ESD DEDUST CABINET WITH TIMER



EB-350N

Features

- Dust removal static elimination time adjustable from 0 to 30s
- Digital timer control, easy to control static elimination time.
- The air speed can be adjusted by the regulating valve, and the air curtain keeps the working area in a positive pressure state to avoid the entry of dust from the outside environment
- Small, easy installation, transparent window for easy observation;
- The dust collection area can be cleaned regularly through the front lower baffle;
- Material: stainless steel, plexiglass, etc.;
- Designed for different products.
- Using SNS pneumatic components, Japan Omron photoelectric switch.

input Voltage	90-240V (DC24V adaptor)
Max. Current	220VAC/0.04A
Power Consumption	≤ 3W
Working Temperature	0-40℃
Working Humidity	≤ 60%
Dimension	350L*250W*350H mm
Air Pressure	0.3-0.8Mpa
Decay time	≤ 1.0s
Offset Voltage	≤ +-15V

ESD DEDUST CABINET



EB-350



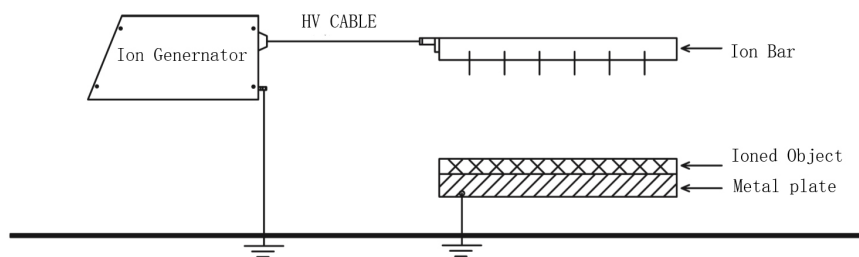
EB-350D

Features

- Dust removal static elimination time adjustable from 0 to 30s
- The air speed can be adjusted by the regulating valve, and the air curtain keeps the working area in a positive pressure state to avoid the entry of dust from the outside environment
- Small, easy installation, transparent window for easy observation;
- The dust collection area can be cleaned regularly through the front lower baffle;
- Material: stainless steel, plexiglass, etc.;
- Designed for different products.
- Using SNS pneumatic components, Japan Omron photoelectric switch.

input Voltage	90-240V (DC24V adaptor)
Max. Current	220VAC/0.04A
Power Consumption	≤ 3W
Working Temperature	0-40℃
Working Humidity	≤ 60%
Dimension	350L*250W*350H mm
Air Pressure	0.3-0.8Mpa
Decay time	≤ 1.0s
Offset Voltage	≤ +-15V

Electrostatic Generator



Installation

Introduction

Electrostatic Generator is composed of electrostatic launcher and DC power supply, The electrostatic launcher was provided with high voltage (negative or positive) by HV- DC power supply, which makes the launcher generated negative or positive ions, then the object was ionized. The higher the voltage, the larger the efficient range.

Technical Specification

- Input Voltage: 220VAC 50Hz-60Hz
- Output voltage: 0-20KV/0-30KV (+or-)
- Max. power consumption: 50VA
- Polarity: Negative(N)/Positive(P)
- Ion bar Length: Customized 150-2000mm
- Dimension: 33*26*13cm
- Net Weight: 18kg

SURFACE RESISTANCE METER

E-HST002 Features

Megohmmeter kit measures surface resistivity, resistance, temperature and humidity. It is designed to test conductive, anti-static, and static dissipative surfaces for electrical resistivity/resistance according to EOS/ESD, CECC, ANSI, ASTM and UL test procedures.



E-HST002

DECADE SCALE

$10^3 = 1$ kilohm

$10^4 = 10$ kilohms

$10^5 = 100$ kilohms

$10^6 = 1$ megohm

$10^7 = 10$ meg ohms

$10^8 = 100$ meg ohms

$10^9 = 1000$ meg ohms

$10^{10} = 10,000$ meg ohms

$10^{11} = 100,000$ meg ohms

$10^{12} = 1,000,000$ meg ohms

The test value is indicated on the LCD display. Unlike meters with LEDs that indicate only the decade the measured value falls within, the SJC-030B will show the actual value.

25 ohms (2.5×10^7) is displayed as **2.5 e07 ohms/sq**

TEST VOLTAGE

The test voltage ranges are 10v and 100v. According to ESDA standards S4.1, S7.1, and S11.11As defined by the ESD Association, values indicate the following:

Voltage	Range	Definition
10 volt	< 106 ohms per square	Conductive
100 volt	106 – 1011 ohms per square	Dissipative
100 volt	1012 > ohms per square	Insulative

SURFACE RESISTANCE METER

E-HST003 Features

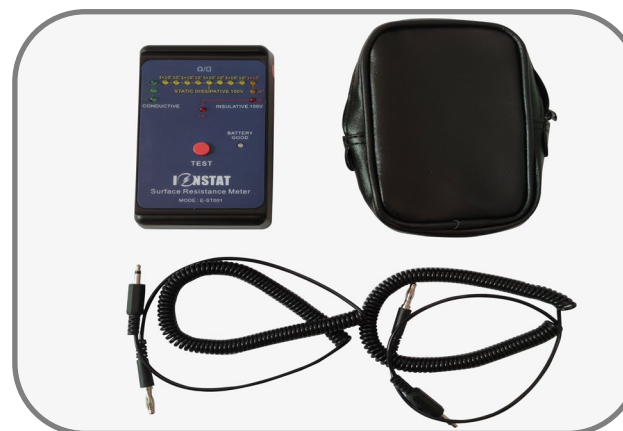
The E-HST003 Megohm meter is a dependable and easy to use audit kit for conductive and dissipative surfaces with limit of resistivity: $10e3$ - $10e12$ ohms/sq. Resistance: 10^3 - 10^{12} ohms
Relative Humidity: 10% - 90% RH Temperature: 32°F to 100°F or 0°C – 37.7°C. This meter is designed to be used in all facets of material production including engineering, maintenance, quality control, incoming inspection, manufacturing, research, or sales departments for the testing of anti-static mats, floor finishes, paints, wrist straps, smocks, foot wear, bags and containers.



E-HST003

E-ST001 Features

The E-ST001 Resistivity Meter is a lightweight tester for measuring surface resistivity in ohms per square according to the ESDA' s parallel resistivity probe method S11.11. Easy to use, this meter shows values through an LED scale that is coded with colors to signify conductive, dissipative, and insulative.



E-ST001

WRIST STRAP ON LINE MONITOR



ZYX-209-I



ZYX-209-II

Specifications

- ◆ Input: AC 220V.
- ◆ Output: DC 6V DC / 500mA
- ◆ Power consumption: 1.8W.
- ◆ Accuracy: + 5%
- ◆ Weight: 55g/93g(excluding power supply),
- ◆ size: 94X42X22mm/112X62X25mm

- The wrist strap monitor is an alarm monitor that uses the "resistance loop" technology to keep the ground wire connected to the anti-static wristband in real time. Ensure 100% monitoring of staff. The default resistance parameter to the ground bleed path is 960K ohms when it is not energized. When it is powered on, it is connected to an electrostatic bracelet. The resistance parameter to the ground bleed path is less than 1.8M ohm, suitable for Monitoring and electrostatic discharge of various electrostatic wristbands.

characteristics

- 1. Support the function of "one support multiple" instruments in parallel!
- 2. It has the same effect as the "L" type grounding socket. When the "power switch" is not pressed, the wrist strap alarm is grounded, and the anti-static wrist strap is directly used.
- 3. Audible and visual alarms on the "safe", "low resistance", and "high resistance" states of the operator;
- 4. Real-time monitoring of the anti-static wrist strap provided by an operator.

Situation at work

- 1. When the human wrist strap grounding system works normally: no sound, green light is on.
- 2. When the wrist strap grounding system is disconnected: the buzzer sounds and the red light flashes.

ESD COMBO TESTER



Feature:

- Stainless steel surface, with water-proof function
- A set of two feet pedal with resistance sensor
- Simultaneously or independently testing wrist strap and conductive shoes
- Working with back-stage management software, automatically identify when swiping card, could record and manage the data 100% paperless.

www.esd-conductive.com

Model	E-T01	E-T02	E-T03
Working Voltage	Input AC220V/Output DC12V	Input AC220V/Output DC12V	Input AC220V/Output DC8-12V
Working Current	70mA	130mA	130mA
Working Environment	5-50 °C	5-50 °C	5-50 °C
Wrist Strap(Default)	750KΩ -10MΩ	750KΩ -10MΩ	750KΩ -10MΩ
Shoe(Default)	100KΩ-100MΩ	100KΩ-100MΩ	100KΩ-100MΩ
Accuracy	+ - 5%	+ - 5%	+ - 5% (Software supported)

STATIC DISCHARGER



Technical Parameters

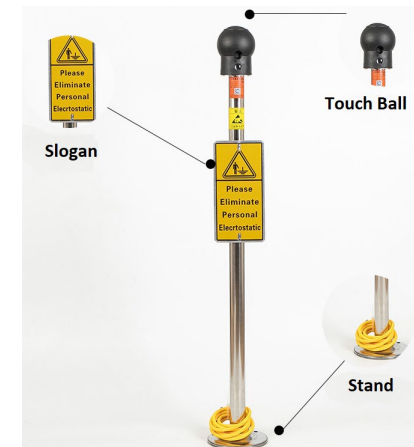
- ◆ Material : 304 stainless steel, wall thickness 1mm.
- ◆ Vertical pole diameter: $\Phi 38\text{mm}$
- ◆ Product height: 1m
- ◆ Touch the ball diameter: $\Phi 90\text{mm}$
- ◆ Outer diameter of mounting flange: 146mm
- ◆ Ground cable length: 2m straight PU cable
- ◆ Material of stainless steel & cable Length can be customized.
- ◆ **Electrical parameters**
- ◆ Working temperature; $-40\text{ }^{\circ}\text{C}$ - $60\text{ }^{\circ}\text{C}$
- ◆ Response time; $<1\text{s}$
- ◆ Ground resistance; $<60\Omega$
- ◆ Explosion-proof grade; Exib IIC T4 Gb
- ◆ Withstand static voltage; $\pm 20\text{KV}$
- ◆ Alarm mode: sound and light alarm (optional)
- ◆ Optional digital electrostatic display

Features

1. Intrinsically safe design
2. Explosion-proof touch ball, using electrostatic sub-conductor composite material
3. Long service life, simple and safe operation
4. Explosion-proof touch ball, which can discharge static electricity safely, no electric shock will be caused by human contact.
5. Reasonable design of the static electricity warning sign on the human body
6. The ground wire is designed separately to ensure reliable grounding

Use range

Gas stations, oil outlets, tank escalator entrances, outside pump room doors and other places where static electricity needs to be eliminated such as electronics factories, computer rooms, chemical plant entrances, etc.



CLEAN ROOM HEPA VACUUM CLEANER



Model	EC-1220B	EC-1220Q	EC-1220W
Rated Voltage	220V/50-60Hz	220V/50-60Hz	220V/50-60Hz
Motor Power	1200W	1200W	1200W
Capacity	20L	20L	20L
Clean Room Class	Class 100	Class 1000	Class10000
Gross Weight	16kg	16kg	16kg
Machine Size	39.5*36.5*65cm	39.5*36.5*65cm	39.5*36.5*65cm
Package Size	44*44*68cm	44*44*68cm	44*44*68cm

The whole machine is made of white steel, sturdy and durable, and has a novel and elegant appearance. It uses conductive materials from the accessories to the host, so the machine has the ability to prevent static electricity. The power source adopts a 1200W electronic brushless maintenance-free motor and a continuously variable electronic control system, and the suction power can be adjusted freely. The filtration system adopts Japanese Toray membrane filter material, with a total filtration area of 12000cm² and a filtration accuracy of 0.28-0.3μm. Mainly suitable for various dust-free clean workshops such as semiconductor, liquid crystal, LED, precision electronic device, science, hospital, food industry, etc.

CLEAN ROOM HEPA/ULPA VACUUM CLEANER



- ◆ Ultra-high efficiency filter (very low air permeation device), can filter 0.1-0.3um dust to 99.99%
- ◆ Designed to be grounded. Any static electricity generated can quickly and effectively guide the floor
- ◆ Designed for a variety of dust-free environments. Including: semiconductor industry, microelectronics industry, pharmaceutical industry, pharmaceutical industry / biochemistry.
- ◆ Equipped with ULPA filters and standard accessories.
- ◆ All stainless steel construction, excellent corrosion resistance and easy decontamination cleaning

Model	CR505SM	CR505N	CR505S
Rated Voltage	220V/50-60Hz	220V/50-60Hz	220V/50-60Hz
Motor Power	1200W/1.6HP	1200W/1.6HP	1200W/1.6HP
Capacity	10L	45L	60L
Filter	paper bag/nonwoven/HEPA	paper bag/nonwoven/HEPA	paper bag/nonwoven/HEPA/ULPA
Weight	9.2kg	15.3kg	16.5kg
Size	30*30*44cm	35*35*65cm	45*45*95cm