

Excellent performance pursuer
Static industry leader

Excellent performance pursuer
Static industry leader

CORPORATION BRIEF

Company introduction

Shanghai Anping Static Technology Co., Ltd was established in 2003 which is the first Hi-Tech enterprise researching and manufacturing DC ionizer in China. Company's AP&T brand series products include ionizing air blower, ion bar, ionizing air gun, ionizing air nozzle, ionizing air snake, static measuring equipment with various specifications. We constantly strive to keep up with international technology trends and develop products that meet market demand. We are committed to providing the best solution to the problem of static electricity to customers in different industries. Our products are widely used in semi conduct, encapsulation, opto-electrical, electronics, communication, spray finishing, printing, textile, pharmaceutical equipments, construction material, injection molding industries.

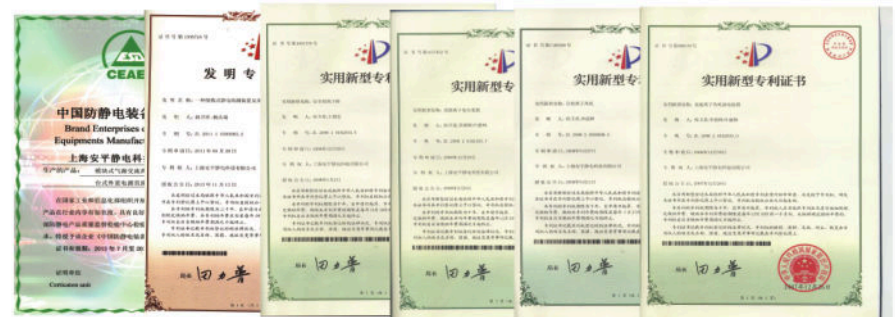
We focus on product quality to ensure excellent performance and stability. At the same time, we strive to reduce product costs, and provide the highest price/performance ration products to help customers to achieve the best effect of the electrostatic problem solving at the lowest cost. Base on more than 10 years of industry practice, we have accumulated a wealth of experience. Our products have spreaded in many market including domestic and overseas. We can provide customers with a full range of advisory and consultancy, we also provide customers whole process service including pre-sales, sales and permanent after sales that removes customers' worries. We'll be your reliable partner in static solving field.

CORPORATION QUALIFICATION

AP&T®

1	2
3	6
7	8

- 1.High-tech Enterprise Certificate
2. China anti-static Equipment Production Qualification
3. Patent Certificate-Intelligentize
4. Patent Certificate-Light Ion
5. CE Certificate
6. China anti-static Brandenterprise Certificate
7. China Electronic Instrument Industry Association Council
8. National instrument explosion-proof certificate
9. ISO 9001

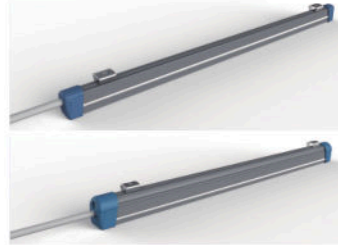


AP-AB1601/1602

Explosion-Proof AC Voltage Static Eliminator

Product Feature

1. Bar shaped and cross over static eliminator
2. Compact structure and elegant appearance
3. Working under high voltage and micro current (μA level)
4. Electric shock-proof function
5. With a certain anti explosion function, can be used in flammable and explosive environments
6. Stripe shaped notch on the back of the bar for user to fasten the bar



Industry Applications

Can be used in printing, plastic, textile and other industries with flammable conditions.

Specification

Model	AP-AB1601	AP-AB1602
Explosion-proof mark	Ex s IIB T4 Gb	Ex s IIB T4 Gb
Explosion-proof certificate No	GYB16.1549X	GYB16.1549X
Working voltage	Power frequency AC4000V	Power frequency AC4000V
Power	20W	20W
Electrode HV	$\leq 4000V$	$\leq 4000V$
Electrode binding capacity	$\leq 3.5pF$	$\leq 3.5pF$
Discharge distance	30—150mm	100—600mm
Discharge speed	$\leq 2.5S$ (Working distance 100mm)	$\leq 2.5S$ (Working distance 300mm)
Ion balance	$\leq \pm 100V$	$\leq \pm 100V$
Discharge speed	0°C - 50°C	0°C - 50°C
Working humidity	<70%	<70%
Bar body length	110—3000mm	110—3000mm
HV cable length	2.5m (customize available, maximum 8m)	2.5m (customize available, maximum 8m)
Power supply	AP-AY1603/2603	AP-AY1603/2603

Outline Dimensional Drawing

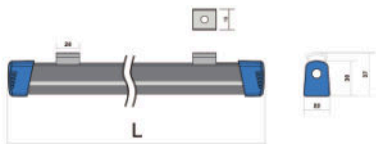


Figure 1 AP-AB1601 Dimension

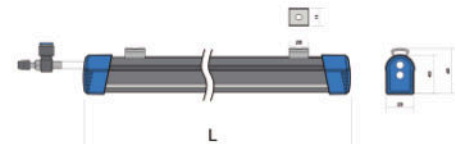
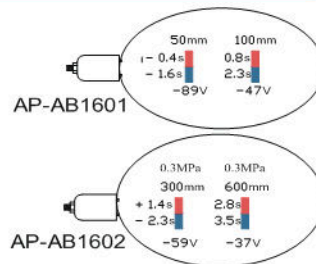


Figure 2 AP-AB1602 Dimension

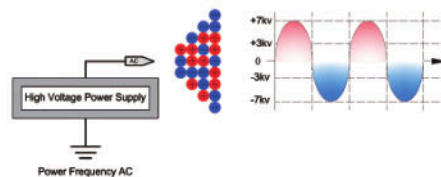
Elimination Effect



(ion bar length: 210mm, working frequency: 50Hz)

Test standard: ANSI/ESD.STM3.1, ANSI/ESD.SP3.3, SJ/T 11446—2013
 Test instrument: Trek157 static tester
 Test voltage: $\pm 1000V \rightarrow \pm 100V$ Attenuation
 Test environment: Humidity 50 \pm 5%; Temperature 23 \pm 3°C

Working Ways (AC)



AP-DJ1801

DC Pulse Ionizing Air Blower

Product Feature

1. Compact and elegant appearance, exquisite workmanship.
2. Large volume of ion generating and fast speed of static removing
3. Automatic tip cleaning when boot
4. Automatic tip cleaning every 24 hours instead of manual brush cleaning maintenance.
5. Three level fan speed with stable performance
6. Detachable cover net both front and back, convenient to maintain
7. Positive and negative ion output proportion adjustable, can be used to adjust the ion balance
8. Positive and negative ion output frequency adjustable to fit different discharge distance
9. Sound and light alarm under abnormal positive and negative high voltage
10. Ion output characteristics can be adjusted by remote control



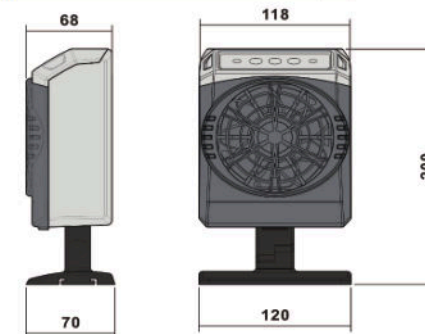
Industry Applications

Widely used in electronics, semiconductor, optoelectronic industries etc

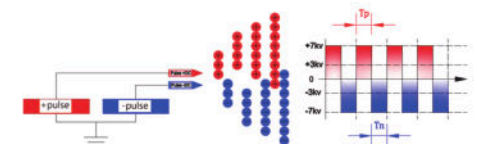
Specification

Model	AP-DJ1801
Input Voltage	DC 24V
Output voltage	DC \pm 4KV \rightarrow \pm 6KV
Output frequency	30Hz (Default)
Duty ratio	10%—90%
Power	8W (Instantaneous power <15W)
Discharge range	750*300mm
Air Volume	<108.81CFM
Noise	<75dBA (150mm from air outlet)
Ozone thickness	$\leq 0.05ppm$ (150mm from air outlet)
Ion balance	$\leq \pm 10V$
Discharge speed	$\leq 1.5S$ (300mm from air outlet right ahead)
Working temperature	0°C - 50°C
Working humidity	<70%
Dimension	200x118x68mm
Net weight	612g
Gross weight	1350g (include adaptor, power cable, packing etc)

Outline Dimensional Drawing

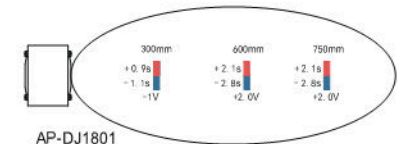


Working Ways (DC Pulse)



Elimination Effect

Test data as below:
 (Test distance: 300mm/600/750mm right ahead,
 Working frequency: 30Hz)



AP-DJ1801

Test standard: ANSI/ESD.STM3.1, ANSI/ESD.SP3.3, SJ/T 11446—2013
 Test instrument: Trek157 Static tester
 Test voltage: $\pm 1000V \rightarrow \pm 100V$ attenuation
 Test environment: Humidity 50 \pm 5%; Temperature 23 \pm 3°C

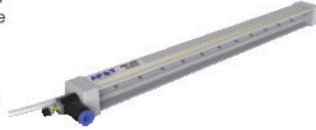
AP-AB1103/1108

AC Electroshock-Proof Ion Bar



Product Feature

1. Bar shaped and cross over static eliminator
2. Compact structure and elegant appearance
3. Working under high voltage and micro current (μA level)
4. Electroshock-proof function
5. Stripe shaped notch on the back of the bar for user to fasten the bar



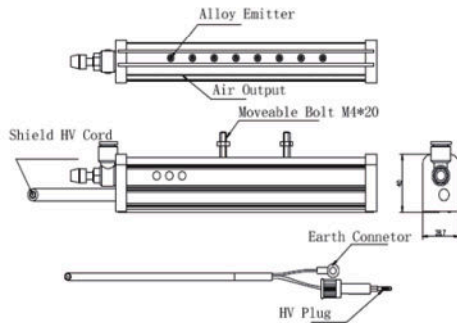
Industry Applications

Can be used in electronics, plastics, chemicals, printing, textile, optical and other industries.

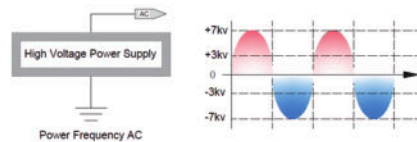
Specification

Model	AP-AB1103	AP-AB1108
Working Voltage	AC7000V	AC7000V
Power	20W	20W
Working distance	30-150mm	50-500mm
Ion balance	$\leq \pm 100V$	$\leq \pm 50V$
Discharge speed(AVE)	$\leq 1.5S$ (working distance 300mm)	$\leq 2S$ (working distance 900mm)
Working temperature	0°C - 50°C	0°C - 50°C
Working humidity	<70%	<70%
Cord length	2.5M (customized available)	2.5M (customized available)
Power supply	AP-AY1502/2502(7000V)	AP-AY1502/2502(7000V)

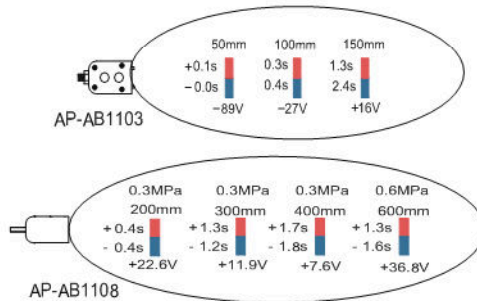
Outline Dimensional Drawing



Working Ways (AC)



Elimination Effect



Testing instrument : 3M-711 Static tester
 Testing standard : ESD-STM3.1-2000; SJ/T 11446—2013
 Testing voltage : $\pm 1000 - \pm 100V$ Attenuation
 Testing environment : Humidity 50 \pm 5% Temperature: 23 \pm 3 C

Supporting Power Supply AP -AY1502/2502

Power Frequency AC Power Supply

Product Feature

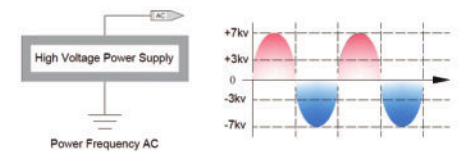
1. Ensure the stability of output with a energy limited components
2. Work under high voltage and micro current
3. Plug-in interface, easy to install and operate
4. Excellent performance, safe and reliable.



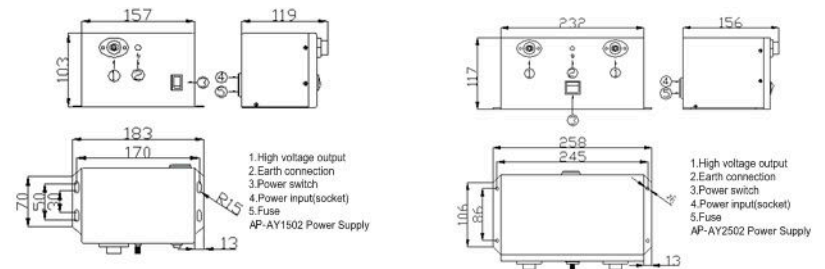
Specification

Model	AP-AY1502/2502
Input Voltage	AC220V/50Hz or AC110V/60Hz
Output Voltage	AC7000V
Power	20W
Working temperature	-10°C—+50°C
Working humidity	<85%RH
Net weight	2850g (AP-AY1502) / 5300g (AP-AY2502)
Gross weight	3350g (AP-AY1502) / 5800g (AP-AY2502)
Dimension	157*119.5*103 (L*W*H) (AP-AY1502) 232*156*117 (L*W*H) (AP-AY2502)

Working Ways (AC)



Outline Dimensional Drawing



AP-AB1205/1206

AC Electroshock-Proof Ion Bar

Product Feature

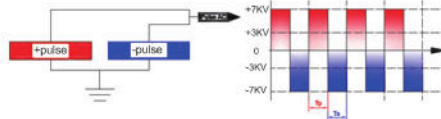
1. Bar shaped and cross over static eliminator
2. Compact structure and elegant appearance
3. Fast discharge speed, low ion balance and high safety performance
4. Abnormal high voltage alarm function
5. Electroshock-proof function



Industry Applications

Can be used in electronics, optoelectronics, semiconductor, plastic, film and printing industries.

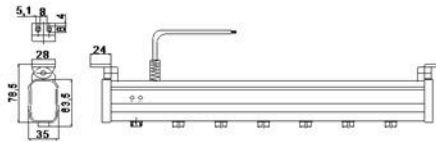
Working Ways (AC)



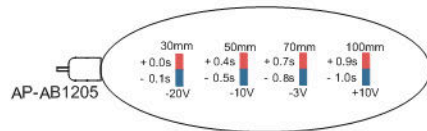
Specification

Model	AP-AB1205/1206
Output voltage	AC±5KV
Output frequency	30Hz(default)
Duty ratio	0%—100%
Power	10W
Working distance	30-100mm/100-1000mm
Ion balance	≤ ±30V (AVE)
Discharge time	≤2S
Working temperature	0 C-50 C
Working humidity	<70%

Outline Dimensional Drawing

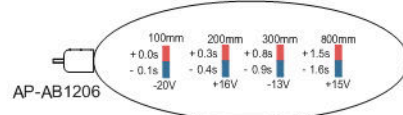


Elimination Effect



Testing instrument : 3M-711 Static tester
 Testing standard : ESD.STM3.1-2000 ; SJ/T 11446—2013
 Testing voltage : ±1000 — ±100V Attenuation
 Testing environment : Humidity 50±5% Temperature:23±3 C

Elimination Effect



Testing instrument : 3M-711 Static tester
 Testing standard : ESD.STM3.1-2000 ; SJ/T 11446—2013
 Testing voltage : ±1000 — ±100V Attenuation
 Testing environment : Humidity 50±5% Temperature:23±3 C

AP-AB1207/1215 AB1208/1216

Air Source AC Pulse Ion Bar

Product Feature

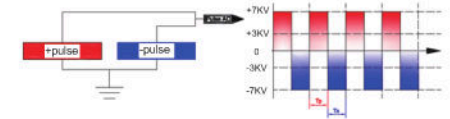
1. Bar shaped and cross over static eliminator
2. Adjustable positive and negative ion output rate
3. Manufactured by using the latest patented technology of static removing
4. Fast speed of static removing, low ion balance and high safety
5. Adjustable positive and negative ion frequency
6. With alarm function of high voltage fault
7. Remote control ion output
8. Shock-proof function prevent user from being electric shocked
9. Support integrate control ,easy to operate.



Industry Applications

Used in electronics, optoelectronics, semiconductor, plastic, film and printing industries.

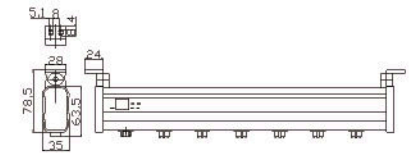
Working Ways (AC)



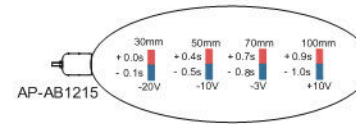
Specification

Model	AP-AB1207/1215	AP-AB1208/1216
Output voltage	AC±5KV	AC±5KV
Output frequency	5.30Hz(default)	5.30Hz(default)
Duty ratio	10%—90%	10%—90%
Power	10W	10W
Working distance	30-1000mm	100-1000mm
Ion balance	≤ ±30V (AVE)	≤ ±30V (AVE)
Discharge time	≤1S	≤2S
Working temperature	0 C-50 C	0 C-50 C
Working humidity	<70%	<70%

Outline Dimensional Drawing

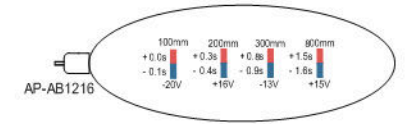


Elimination Effect



Testing instrument : 3M-711 Static tester
 Testing standard : ESD.STM3.1-2000 ; SJ/T 11446—2013
 Testing voltage : ±1000 — ±100V Attenuation
 Testing environment : Humidity 50±5% Temperature:23±3 C

Elimination Effect



Testing instrument : 3M-711 Static tester
 Testing standard : ESD.STM3.1-2000 ; SJ/T 11446—2013
 Testing voltage : ±1000 — ±100V Attenuation
 Testing environment : Humidity 50±5% Temperature:23±3 C

AP-AC5602

None Air Source Integrated Ion Bar

Product Feature

1. Bar shaped and cross over static eliminator
2. Excellent electrical property data by applying the newest static eliminating technology
3. No short circuit of discharge electrode, long lifetime
4. Stripe shaped notch on the back of the bar, the M4 installation screw is removable
5. Working under high voltage and micro current with good safety performance
6. Fast speed of static eliminating



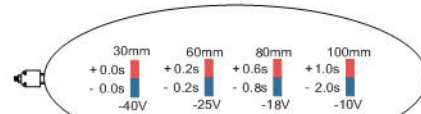
Industry Applications

Can be Used in electronics, optoelectronics, semiconductor, plastic, film and printing industries.

Specification

Model	AP-AC5602
Input Voltage	AC220V/50Hz or 110V/60Hz
Working voltage	AC3500V
Power	28W
Working distance	30-100mm
Ion balance	-200V~+200V
Discharge speed	≤0.5S(working distance 30mm)
Working temperature	0°C - 50°C
Power supply	AP-AY1503/2503(3500V)
Power cord length	2.5M(customized available,5m as longest)
Bar length	customized available,3m as longest
Cross-sectional area	18*20mm

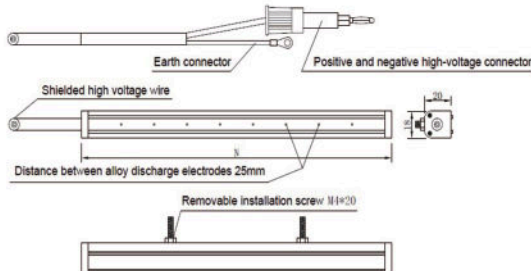
Elimination Effect



AP-AC5602

Testing instrument : 3M-711 Static tester
 Testing standard : SJ/T10694-2006、GB/T14437-97
 Testing voltage : ±1000 — ±100V Attenuation
 Testing environment : Humidity30%—50% Temperature20±5°C

Outline Dimensional Drawing



AP-DC5703

None Air Source Modular Ion Bar

Product Feature

1. Bar shaped and cross over static eliminator
2. Excellent electrical property data by applying the newest static eliminating technology
3. Two groups of independent positive and negative high voltage electrode with long lifetime
4. Stripe shaped notch on the back of the bar for users to fasten the bar with M6 bolt
5. Working under high voltage and micro current with good safety performance



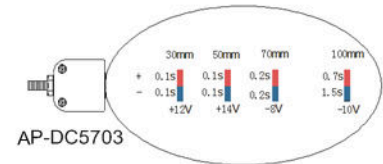
Industry Applications

Can be Used in textile, plastic, film and printing industries

Specification

Model	AP-DC5703
Input Voltage	AC220V/50Hz or 110V/60Hz(power supply)
Working voltage	DC4500V-DC8000V
Power	5W
Working distance	30-100mm
Discharge speed	≤2S
Ion balance	±15V
Wire length	2.5M(customized available,5m as longest)
Working temperature	0°C - 50°C
Power supply	AP-DC7201(match correspondingly)
Bar length	300-2500mm(customized available)
Cross-sectional area	30*32mm

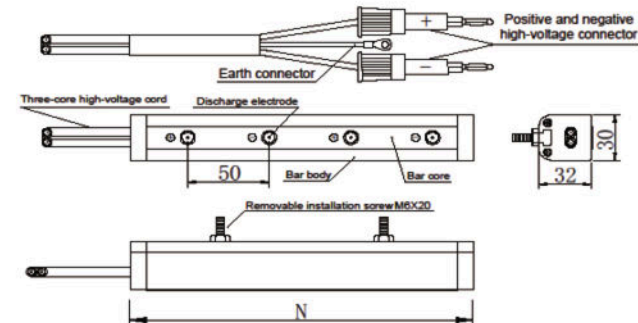
Elimination Effect



AP-DC5703

Testing instrument : 3M-711 Static tester
 Testing standard : SJ/T10694-2006、GB/T14437-97
 Testing voltage : ±1000 — ±100V Attenuation
 Testing environment : Humidity 30%—50% Temperature 20±5°C

Outline Dimensional Drawing



AP-DC2451

Desktop Ionizing Air Blower

Product Feature

1. Compact structure and elegant appearance
2. Large volume of ion generating and fast speed of static removing
3. Fan stepless speed adjustment
4. Stable, safe and reliable performance
5. Detachable cover net both front and back, convenient to maintain
6. Equipped with special external power adapter

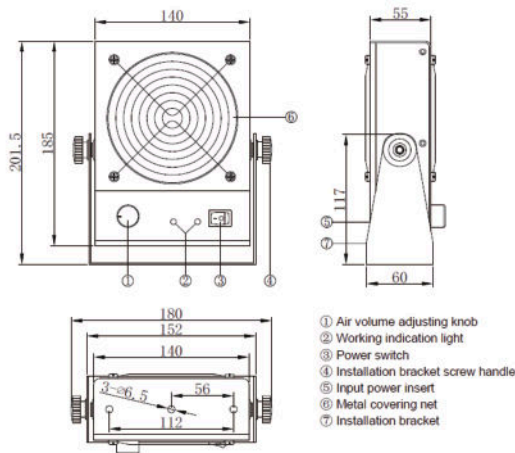
Industry Applications

Widely used in electronics, optoelectronics, semiconductors, plastics, films and printing industries

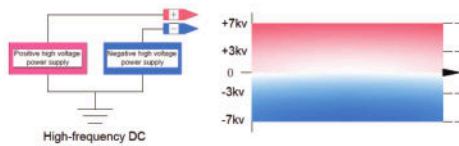
Specification

Model	AP-DC2451
Input Voltage	AC 220V/50Hz or 110V/60 Hz(with external power adapter)
Power	12W
Ion balance	-10V~+10V (300mm testing center from the air outlet)
Discharge speed	≤2s (300mm testing center from the air outlet)
Noise	≤45db (150mm from the air outlet)
Effective working range	1200*600mm(L*W)
Air volume	0-95CFM
Ozone thickness	≤0.02ppm(150mm from the air outlet)
Working temperature	0°C - 50°C
Dimension	180*72*201.5mm (L*W*H)
Net weight	1500g (include HV cord 3 meters)
Gross weight	1980g

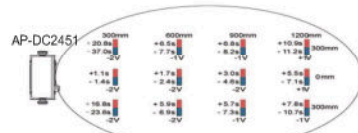
Outline Dimensional Drawing



Working Ways (DC)

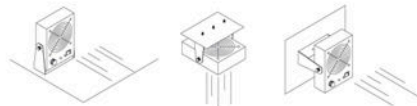


Elimination Effect



Testing instrument: 3M-711 Static tester
Testing standard: SJ/T10694-2006、GB/T14437-97
Testing environment: Humidity30%—50%
Temperature20±5°C

Positioning



AP-DC2452-60

Two-Fans Overhead Ionizing Air Blower

Product Feature

1. Fit for static elimination in large area
2. The combination of multi-units independent ion transmitting
3. Stepless adjustment of the air volume and longer lifetime of the fan
4. Fast speed of the elimination and stable performance of the circuit
5. Detachable cover net both front and back, convenient to clean and maintain

Industry Applications

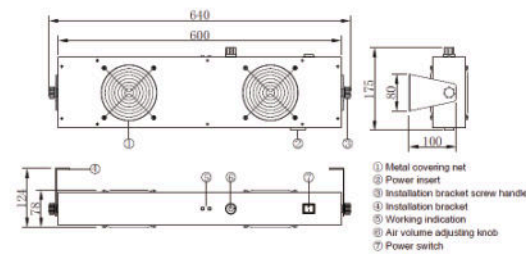
Widely Used in electronics, optoelectronics, semiconductors, plastics, films and printing industries



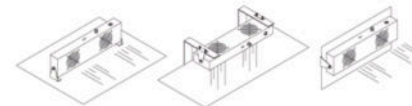
Specification

Model	AP-DC2452-60
Input Voltage	AC 220V/50Hz or 110V/60 Hz
Working Voltage	±DC4000V-DC7000V
Power	15W
Effective working range	900*600mm(L*W)
Discharge speed	≤3s(450mm testing center vertical from the air outlet)
Ion balance	-10V~+10V(450mm testing center vertical from the air outlet)
Air volume	2*90CFM(adjustable)
Noise	≤55db(150mm from the air outlet)
Ozone thickness	≤0.02ppm(150mm from the air outlet)
Working temperature	0°C - 50°C
Dimension	640*175*124mm (L*W*H)
Net weight	3350g (including power cord,bracket accessories)
Gross weight	1980g

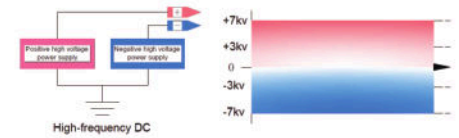
Outline Dimensional Drawing



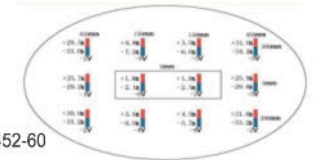
Positioning



Working Ways (DC)



Elimination Effect



Testing instrument: 3M-711 Static tester
Testing standard: SJ/T10694-2006、GB/T14437-97
Testing voltage: ±1000 — ±100V Attenuation
Testing environment: Humidity30%—50% Temperature20±5°C

AP-DC2452-80 / 80J

Three-Fans Overhead Ionizing Air Blower

Product Feature

1. Fit for static elimination in large area
2. The combination of multi-units independent ion transmitting
3. Stepless adjustment of the air volume and longer lifetime of the fan
4. Fast speed of the elimination and stable performance of the circuit
5. Detachable cover net both front and back, convenient to clean and maintain



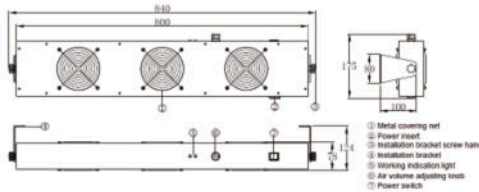
Industry Applications

Widely Used in electronics, optoelectronics, semiconductors, plastics, films and printing industries

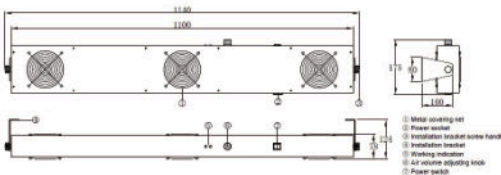
Specification

Model	AP-DC2452-80	AP-DC2452-80J
Input Voltage	AC 220V/50Hz or 110V/60 Hz	AC 220V/50Hz or 110V/60 Hz
Working Voltage	±DC4000V-DC7000V	±DC4000V-DC7000V
Power	25W	25W
Effective working range	920*600mm(L*W)	1680*600mm(Max air volume)
Discharge speed	≤3s(450mm testing center vertical from the air outlet)	≤3s(450mm testing center vertical from the air outlet)
Ion balance	-10V~+10V(450mm testing center vertical from the air outlet)	±10V (match ESD STM3.1-2000;IEC 61340-5-1standard)
Air volume	3*90CFM(adjustable)	3*100CFM
Noise	≤60db(150mm from the air outlet)	≤60db(150mm from the air outlet)
Ozone thickness	≤0.02ppm(150mm from the air outlet)	≤0.02ppm(150mm from the air outlet)
Working temperature	0°C - 50°C	0°C - 50°C
Dimension	840*175*124mm (L*W*H)	1100*150*80mm (L*W*H)
Net weight	3930g (including power cord,bracket accessories and etc.)	4550g (including power cord,bracket accessories and etc.)
Gross weight	5430g	5160g

Outline Dimensional Drawing

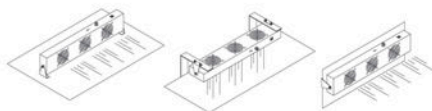


- ① Metal covering net
- ② Power socket
- ③ Installation bracket screw handle
- ④ Installation bracket
- ⑤ Working indication light
- ⑥ Air volume adjusting knob
- ⑦ Power switch

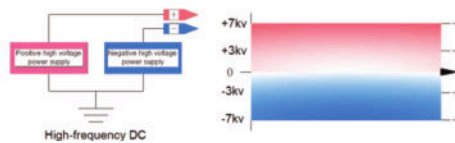


- ① Metal covering net
- ② Power socket
- ③ Installation bracket screw handle
- ④ Installation bracket
- ⑤ Working indication light
- ⑥ Air volume adjusting knob
- ⑦ Power switch

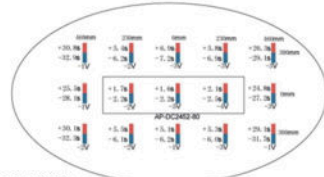
Positioning



Working Ways (DC)



Elimination Effect



AP-DC2452-80

Testing instrument : 3M-711 Static tester
 Testing standard : SJ/T10694-2006- GB/T14437-97
 Testing voltage : ±1000 — ±100V Attenuation
 Testing environment : Humidity30%—50% Temperature20±5 C

AP-DC2452-100

Four-Fans Overhead Ionizing Air Blower

Product Feature

1. Fit for static elimination in large area
2. The combination of multi-units independent ion transmitting
3. Stepless adjustment of the air volume and longer lifelong of the fan
4. Fast speed of the elimination and stable performance of the circuit
5. Detachable cover net both front and back, convenient to clean and maintain



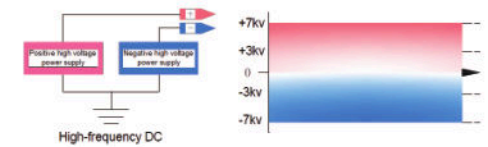
Industry Applications

Widely Used in electronics, optoelectronics, semiconductors, plastics, films and printing industries

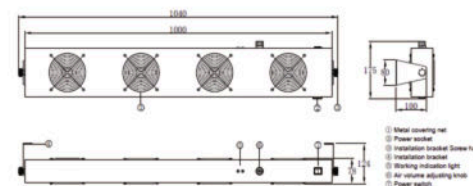
Specification

Model	AP-DC2452-100
Input Voltage	AC 220V/50Hz or AC110V/60 Hz
Working Voltage	±DC4000-DC7000V
Power	25W
Effective working range	1200*600mm(L*W)
Discharge speed	≤3s(450mm testing center from the air outlet)
Ion balance	±10V(450mm testing center from the air outlet)
Air volume	4*90CFM9(adjustable)
Noise	≤65db(150mm from the air outlet)
Ozone thickness	≤0.02ppm(150mm from the air outlet)
Working temperature	0°C - 50°C
Dimension	1040*124*175mm (L*W*H)
Net weight	5430g (including power cord,bracket accessories)
Gross weight	6860g

Working Ways (DC)

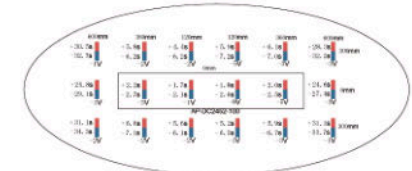


Outline Dimensional Drawing



- ① Metal covering net
- ② Power socket
- ③ Installation bracket Screw handle
- ④ Installation bracket
- ⑤ Working indication light
- ⑥ Air volume adjusting knob
- ⑦ Power switch

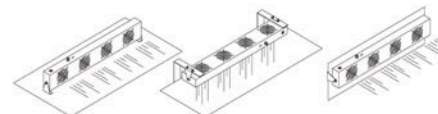
Elimination Effect



AP-DC2452-100

Testing instrument : 3M-711 Static tester
 Testing standard : SJ/T10694-2006- GB/T14437-97
 Testing voltage : ±1000 — ±100V Attenuation
 Testing environment : Humidity 30%—50% Temperature 20±5 C

Positioning



AP-DC2453

Desktop Mini Ionizing Air Blower

Product Feature

1. Compact appearance and easy to install
2. Able to be installed inside the devices for static removing
3. Low power and long service life
4. Stable, safe and reliable performance of the circuit
5. Detachable cover net both front and back, convenient for cleaning and maintenance

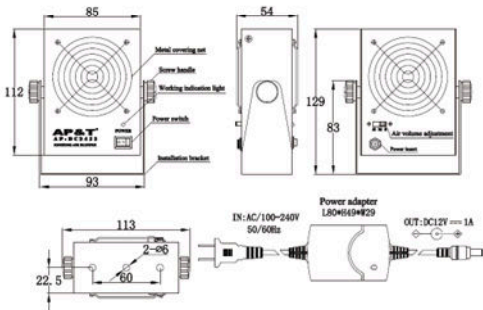
Industry Applications

Widely Used in electronics, optoelectronics, semiconductors, plastics, films and printing industries

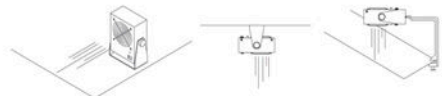
Specification

Model	AP-DC2453
Input Voltage	AC 220V/50Hz or AC110V/60 Hz
Working Voltage	±DC4000-DC7000V
Power	10W
Effective working range	450*300mm(L*W)
Discharge speed	±2.5s(450mm testing center vertical from the air outlet)
Ion balance	-10V~+10V(150mm testing center vertical from the air outlet)
Air volume	45CFM9(adjustable)
Noise	≤35db(150mm from the air outlet)
Ozone thickness	≤0.01ppm(150mm from the air outlet)
Working temperature	0°C - 50°C
Dimension	113*54*129mm (L*W*H)
Net weight	420g (including accessories and external power supply)
Gross weight	480g

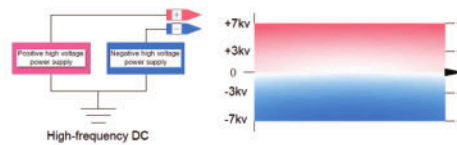
Outline Dimensional Drawing



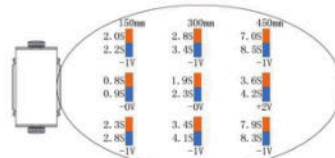
Positioning



Working Ways (DC)



Elimination Effect



AP-DC2453

Testing instrument : 3M-711 Static tester
 Testing standard : SJ/T10694-2006、GB/T14437-97
 Testing voltage : ±1000 — ±100V Attenuation
 Testing environment : Humidity30%—50% Temperature20±5 C

AP-AC2459

Cross Flow Ionizing Air Blower

Product Feature

1. Faster static eliminating speed alternating polarity AC high voltage high field and connect to special emission electrode to ionize air and gd lower ion balance
2. Wide range of ion airflow with large covering area
3. Stepless adjustment of fan speed with stable performance, convenient to clean and maintain
4. Installing angle adjustable, arbitrary switching between cold and warm wind

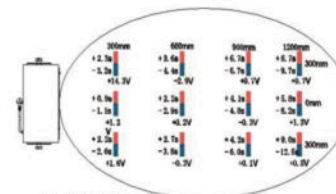
Industry Applications

Widely Used in electronics, injection molding, printing, film and pharmaceutical machinery industries

Specification

Model	AP-AC2459
Input Voltage	AC 220V/50Hz or AC110V/60 Hz
Power	50W/250W(heat)
Effective working range	600*1200mm(W*L)
Discharge speed	±2s(300mm testing center vertical from the air outlet)
Ion balance	± ±10V (300mm testing center vertical from the air outlet)
Air volume	70~120CFM
Noise	≤50-55db(150mm from the air outlet)
Ozone thickness	≤0.03ppm(150mm from the air outlet)
Working temperature	0°C - 50°C
Dimension	454*216*185mm (L*W*H)
Net weight	7.4kg
Gross weight	8.2kg (including packaging accessories)

Elimination Effect

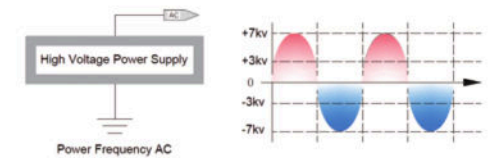


AP-AC2459

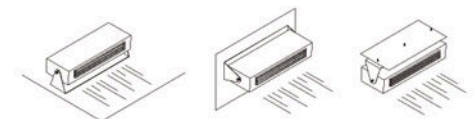
Testing instrument : 3M-711 Static tester
 Testing standard : SJ/T10694-2006、GB/T14437-97
 Testing voltage : ±1000 — ±100V Attenuation
 Testing environment : Humidity30%—50% Temperature20±5 C



Working Ways (AC)



Positioning



AP-AZ1211

Ionizing Air Gun

Product Feature

1. Gun shape static eliminator
2. Small size and easy installation
3. Safe and reliable working under high voltage and micro current
4. With compressed air source and longer working distance
5. Static eliminating while cleaning the surface dust

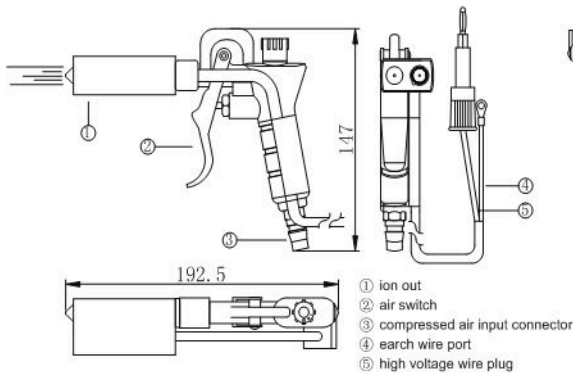
Industry Applications

Widely used in electronics, injection molding, printing, film and pharmaceutical machinery industries

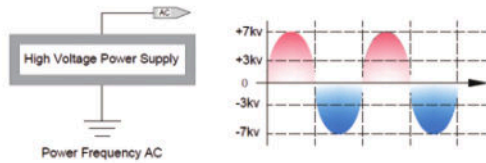
Specification

Model	AP-AZ1211
Input Voltage	AC 220V/50Hz or 110V/60 Hz
Power	25W
Ion balance	$\leq \pm 50V$ (150mm testing center from the air gun)
Discharge speed	$\leq 1.5s$ (150mm testing center from the air gun)
Noise	$\leq 65db$ (150mm from air outlet)
Air pressure range	0.05 ~ 0.6MPa
Working temperature	0°C - 50°C
Air connector	$\Phi 8mm$ (customize available)
HV cord lengt	3M
Dimension	193*37*147 (L*W*H)
Net weight	450g (include HV cord 3 meters)
Gross weight	510g
Power supply	AC-2455-56A

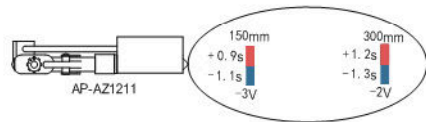
Outline Dimensional Drawing



Working Ways (AC)



Elimination Effect



Testing instrument: 3M-711 Static tester
 Testing standard: ESD.STM3.1-2000, SJ/T 11446—2013
 Testing voltage: $\pm 1000V \pm 100V$ Attenuation
 Testing environment: Humidity: 50 \pm 5%; Temperature: 23 \pm 3°C
 Testing Air pressure: 0.5MPa

AP-AC2454-A

Ionizing Air Nozzle

Product Feature

1. Small size and easy installation
2. Excellent electrical property data and good performance
3. Static eliminating while cleaning the surface dust
4. Safe and reliable working under high voltage and micro current
5. With AP-AC2455 series high voltage power supply

Industry Applications

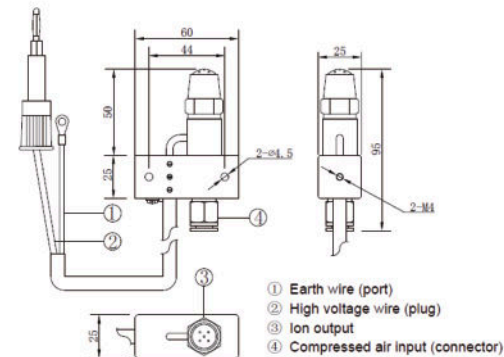
Widely used in electronics, electronics, optoelectronics, semiconductors, plastics, films and printing industries



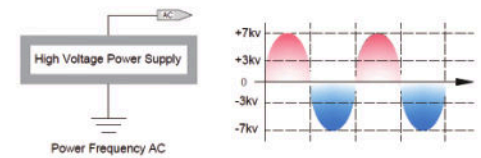
Specification

Model	AP-AC2454-A
Input Voltage	AC 220V/50Hz or 110V/60 Hz (with external power adapter)
Working Voltage	AC3500V
Power	25W
Working distance	150-300mm
Discharge speed	$\leq 1.5s$ (150mm testing center from the air nozzle)
Ion balance	-15V~+15V (150mm testing center from the air nozzle)
Power cord length	2.5M (customize available, 5m as longest)
Working temperature	0°C - 50°C
Air connector	$\Phi 8mm$ (customize available)
Air pressure range	0.2 ~ 0.6MPa
Dimension	60*25*95mm (L*W*H)
Net weight	400g (including power cord)
Gross weight	480g
Power supply	AP-AC2455-28A/28B

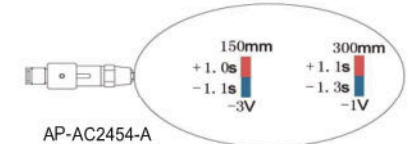
Outline Dimensional Drawing



Working Ways (AC)

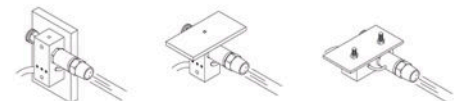


Elimination Effect



Testing instrument: 3M-711 Static tester
 Testing standard: SJ/T10694-2006, GB/T14437-97
 Testing voltage: $\pm 1000 \text{ --- } \pm 100V$ Attenuation
 Testing environment: Humidity 30%—50% Temperature 20 \pm 5°C
 Testing Air pressure: 0.5MPa

Positioning



AP-AC2456

Ionizing Air Gun

Product Feature

1. Small size and portable operation
2. Excellent electrical property data and good performance
3. Static eliminating while cleaning the surface dust
4. Safe and reliable working under high voltage and micro current

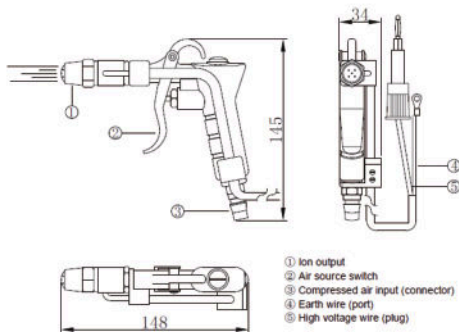
Industry Applications

Widely used in electronics, injection molding, printing, film and pharmaceutical machinery industries

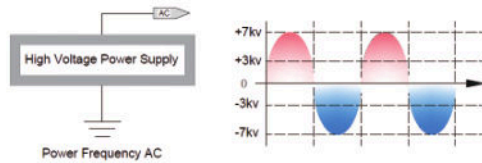
Specification

Model	AP-AC2456
Input Voltage	AC 220V/50Hz or 110V/60 Hz
Working Voltage	AC2800V
Power	25W
Working distance	150-300mm
Discharge speed	≤1.5s(150mm testing center from the air nozzle)
Ion balance	-15V~+15V(150mm testing center from the air nozzle)
Power cord length	2.5M(customized available,5m as longest)
Noise	65db(150mm from the air outlet)
Working temperature	0°C - 50°C
Air connector	Φ8mm (customize available)
Air pressure range	0.2 ~ 0.6MPa
Dimension	148*34*145mm (L*W*H)
Net weight	500g (including power cord)
Gross weight	560g
Power supply	AP-AC-2455-28A/28B

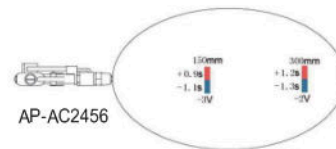
Outline Dimensional Drawing



Working Ways (AC)



Elimination Effect



Testing instrument : 3M-711 Static tester
 Testing standard : SJ/T10694-2006、GB/T14437-97
 Testing voltage : ±1000 — ±100V Attenuation
 Testing environment : Humidity30%—50% Temperature20±5℃
 Testing Air pressure : 0.5MPa

AP-AZ3201

Inductive Ionizing Air Snake

Product Feature

1. Small size, convenient installation, flexible operation and reliable performance
2. Static eliminating while cleaning the surface dust
3. Controlled by far automatic and inductive IR circuit without hand operation
4. Integration of the inductive control section and power supply

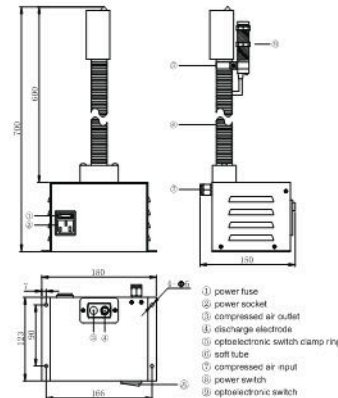
Industry Applications

Widely used in electronics, optoelectronics, semiconductors, plastics, films and printing industries.

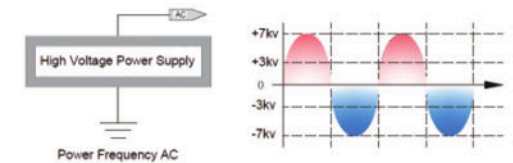
Specification

Model	AP-AZ3201
Input Voltage	AC 220V/50Hz or AC110V/60 Hz
Power	26W
Working distance	150-300mm
Ion balance	±50V (150mm testing center from the air snake)
Discharge speed	≤1.5s(150mm testing center from the air snake)
Noise	<65db(150mm from the air outlet)
Medium used	clean pressed air
Air pressure rang	0.2 - 0.6MPa
Working temperature	0°C - 50°C
Air connector	Φ8mm (customize available)
Dimension	180*135*118mm (L*W*H)
Net weight	3350g (including power cord,optoelectronic switch and clamp ring)
Gross weight	3780g

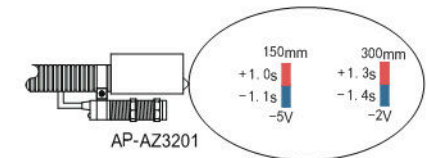
Outline Dimensional Drawing



Working Ways (AC)



Elimination Effect



Testing instrument : 3M-711 Static tester
 Testing standard : ESD.STM3.1-2000 , SJ/T 11446—2013
 Testing voltage : ±1000V±100V Attenuation
 Testing environment : Humidity : 50±5% ; Temperature : 23±3℃
 Testing Air pressure : 0.5MPa

AP-AC3301

Ion Pen

Product Feature

1. Pen shaped and vertical static eliminator
2. Excellent electrical property data by applying the newest static eliminating technology
3. Fast air ionization, great quantity of ion haloes and long lifetime
4. Convenient to install, flexible fixing
5. Working under high voltage and micro current with good safety performance



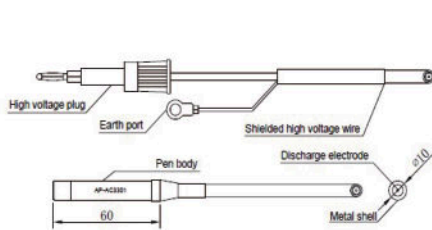
Industry Applications

Widely used in electronics, injection molding, printing, film and pharmaceutical machinery industries

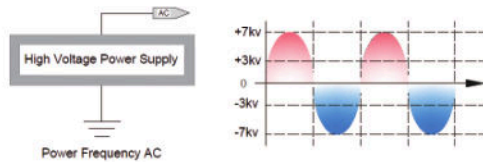
Specification

Model	AP-AC3301
Working Voltage	AC4000V
Power	20W
Working distance	150-300mm
Discharge speed	≤0.5s(100mm from testing center)
Ion balance	-260V~+50V(100mm from testing center)
Wire length	2.5m(customized available,5m as longest)
Working temperature	0°C - 50°C
Power Supply	AP-AC2455-28A/28B
Cross sectional area	10*60mm

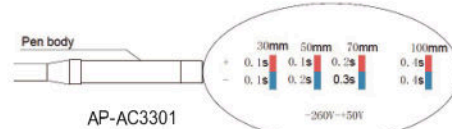
Outline Dimensional Drawing



Working Ways (AC)



Elimination Effect



Testing instrument : 3M-711 Static tester
 Testing standard : SJ/T10694-2006. GB/T14437-97
 Testing voltage : ±1000 — ±100V Attenuation
 Testing environment : Humidity30%—50% Temperature20±5°C
 Testing Air pressure : 0.5MPa

AP-AC2455-28/35/56

Power Supply

Product Feature

1. Overvoltage and short circuit protection
2. Excellent performance, safe and reliable
3. Easy operation strong environmental adaptability
4. Quick-released interface, convenient to install
5. Stable and safe high voltage



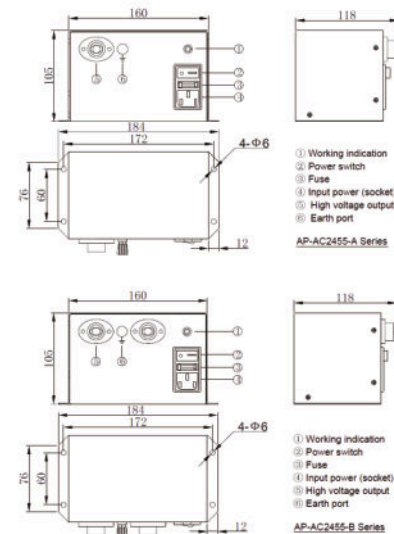
Industry Applications

Used in electronics, injection molding, printing, film and pharmaceutical machinery industries

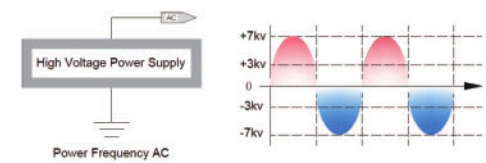
Specification

Model	AP-AC2455-28	AP-AC2455-35	AP-AC2455-56
Input Voltage	AC220V/50Hz or AC110V/60Hz	AC220V/50Hz or AC110V/60Hz	AC220V/50Hz or AC110V/60Hz
Output Voltage	AC2800V	AC3500V	AC5600V
Power	25W	28W	28W
Working temperature	0°C—50°C	0°C—50°C	0°C—50°C
Working humidity	<85%RH	<85%RH	<85%RH
Dimension	184*118*105mm (L*W*H)	184*118*105mm (L*W*H)	184*118*105mm (L*W*H)
Output terminal	A:one group B:two groups	A:one group B:two groups	A:one group B:two groups
Working way	Continuity	Continuity	Continuity
Gross weight	2730g(including Power cord)	2730g(including Power cord)	2730g(including Power cord)
Power Supply	3120g	3120g	3120g

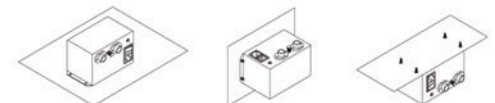
Outline Dimensional Drawing



Working Ways (AC)



Positioning



AP-YP1101/1203

Static Meter

Product Feature

1. Hand feel and drape with attractive appearance.
2. Accurate positioning by dual LED. Precise detection distance.
3. Wide range of detecting potential. High detect precision
4. Comfort operation button and easy to use.
5. High definition omnibearing LED data display.



Specification

Model	AP-YP1101	AP-YP1203
Detection range	0.01KV-5.00KV	0.01KV-50.0KV
Detection accuracy	±5%	±10%
Detection distance	25mm±1.0mm	25mm±1.0mm
Input voltage	DC3V (2*AAA)	DC3V (2*AAA)
Automatic shutdown	120s	120s
Working temperature	-20℃—+70℃	-20℃—+70℃
Working humidity	0-85%RH	0-85%RH
Dimension	144*69*38mm (L*W*H)	144*69*38mm (L*W*H)
Net weight	120g±10g	120g±10g
Gross weight	253g±20g (Battery & accessory included)	253g±20g (Battery & accessory included)

Structural Drawing



AP-YF1201

Explosion-Proof Static Meter

Summary

AP-YF1201 static measurer is an intrinsically safe explosion-proof test instrument. It adopts the advanced contactless electrostatic sensor to ensure the accuracy of measurement. It is widely used in electronic, plastic, chemical, printing, Optoelectronic industries.

Feature

1. Hand feel and drape with attractive appearance.
2. Accurate positioning by dual LED. Precise detection distance.
3. Wide range of detecting potential. High detect precision
4. Comfort operation button and easy to use.
5. High definition comprehensive LED data display.
6. Intrinsically safe explosion-proof, can be used in corresponding explosive dangerous environment



Specification

Model	AP-YF1201	
Explosion proof grade	Exib II B T5 Gb	
Working current	<100mA	
Test range	0.01KV-5.00KV (grey)	0.01KV-5.00KV (grey)
Test accuracy	±5%	±5%
Test distance	25mm±1.0mm	
Input voltage	DC3V (2*AAA)	
Automatic shutdown	180s	
Working temperature	-18℃—+50℃	
Working humidity	0-85%RH	
Dimension	141*71*38mm (L*W*H)	
Net weight	146g (include 2 AAA batteries)	
Gross weight	359g±20g (Battery and accessories include)	



Structural Drawing



Use The Product

When use the measurer enables the static detect window and the surface of object to be detected parallel. Press the LED test range location button. Move the measurer back and forth to overlap the inner and outer laser spots on the test surface of the measured object. Namely as the standard detection distance 25mm. The detected data shown is the most accurate at this moment. After the data is measured, it can be held by pressing the "Hold" key. Press the "Hold" key again back to standby status of detection.

AP-YV3301

Static Sensor

Product Feature

1. Comfortable hand feel and elegant appearance
2. Measuring distance set by dial switch
3. Wide measuring range and high measuring accuracy
4. High clarity and comprehensive LCD data display terminal
5. Real time monitored data transfer to PC
6. Comfortable operation and easy to use

Field Of Application

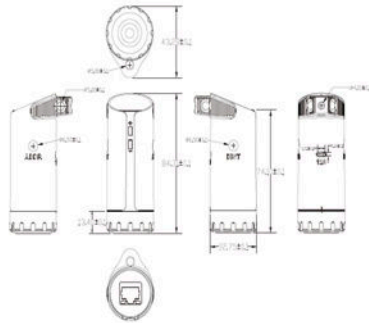
It can be widely used in electronics, opto-electrical, LED industries etc.

Specification

Model	AP-YV3301
Measuring range	±10V→±4999V ±100V→±19.99KV
Measuring accuracy	±5%
Voltage drifts	5V/sec
Data transmission	1s (16 channels) , 62.5ms (single channel)
Corresponding velocity	0.3s
Input voltage	DC24V
Measuring distance	Optional(25mm, 50mm, 100mm, 200mm, 300mm, 400mm, 500mm, 600mm, 700mm)
Working temperature	-18℃—+50℃
Working humidity	0-85%RH

Note: Measuring distance of 25mm, 50mm, 100mm are for measure static voltage less than 5KV; Measuring distance of 200mm, 300mm, 400mm, 500mm, 600mm are for measure static voltage 5KV→20KV;

Outline Dimensional Drawing



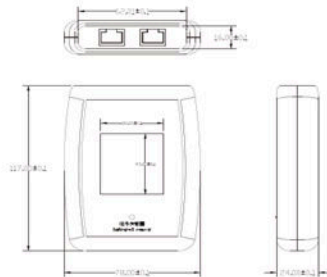
Displayed Information

- Device address
- Working status
- Output HV
- Output Frequency
- Duty ratio
- Real time voltage
- Static threshold voltage

Mechanical Parameters

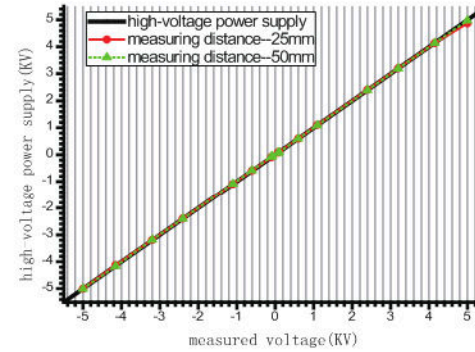
- Sensor Dimension 43*33*85mm (L*W*H)
- Net weight 39.5g±3g

LED display Dimension <44*33*85mm (L*W*H)
Net weight 39.5g±3g
Outline Dimensional Drawing

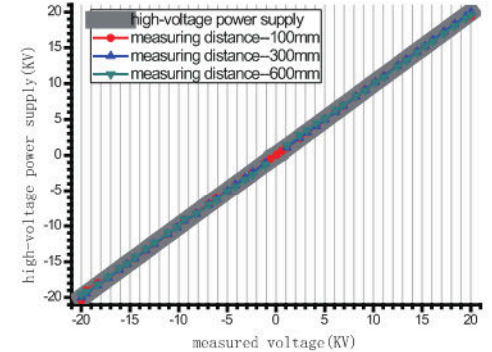


Tested Data

(1) Low measuring range (5KV) tested data:



(2) High measuring range (5KV-20KV) tested data:



(3) Tested Data Sheet:

HV source output voltage (KV)	Sensor measured voltage (KV)				
	Test distance 25mm	Test distance 50mm	Test distance 100mm	Test distance 300mm	Test distance 600mm
20			19.4	20	19.61
19.5			19.12	19.46	19.13
18.35			18.24	18.33	18.07
17.25			17.12	17.26	17.01
16.1			16	16.13	15.86
15.3			15.2	15.26	15.28
14.5			14.44	14.46	14.37
13.4			13.36	13.4	13.22
12.5			12.48	12.53	12.39
11.1			11.08	11.06	10.93
10.2			10.2	10.2	10.2
9.15			9.16	9.13	9.03
8.2			8.2	8.2	8.26
6.9			6.92	6.86	7.01
6.1			6.16	6.06	6.34
5	4.87	4.98	5.04	5	5.09
4.15	4.14	4.14	4.16	4.12	4.5
3.2	3.21	3.2	3.2	3.2	3.5
2.4	2.41	2.4	2.4	2.4	2.8
1.1	1.11	1.1	1.12	1.13	1.4
0.6	0.6	0.6	0.61		
0.1	0.11	0.1	0.07		
0.075	0.08	0.07	0.05		
0					
-0.075	-0.07	-0.05			
-0.1	-0.09	-0.07			
-0.6	-0.59	-0.58	-0.52		
-1.1	-1.09	-1.08	-1.04	-1.06	-1.35
-2.4	-2.39	-2.4	-2.4	-2.4	-2.71
-3.2	-3.19	-3.18	-3.2	-3.21	-3.44
-4.15	-4.12	-4.16	-4.2	-4.12	-4.41
-5	-5	-5	-5.08	-5	-5.08
-6.1			-5.96	-6.2	-6.33
-6.9			-6.89	-7	-7
-8.2			-8.24	-8.33	-8.25
-9.15			-9.2	-9.26	-9.06
-10.2			-10.2	-10.2	-10.22
-11.1			-11.12	-11.13	-10.85
-12.5			-12.52	-12.53	-12.4
-13.4			-13.44	-13.4	-13.22
-14.5			-14.52	-14.53	-14.41

Operation Instructions

1, instructions for use:
When in use, the electrostatic sensor detection window should be parallel to the surface of the object to be measured. Choose a measuring distance according to the static charged amount and environment (i.e., the foregoing provisions of the standard detection distance: 25mm, 50mm, 100mm, 200mm, 300mm, 400mm, 500mm, 600mm) and measuring range setting. Here the data shown on LED display is most accurate.

2, operating procedures:
(1) Choose a measuring distance by turning the round dial switch with a cross screwdriver diameter 3mm according to the static charged amount and environment.
(2) Choose a measuring range by toggle bar code switch according to the static charged amount and environment.
(3) Set the electrostatic protection threshold by the monitoring software.
(4) Set the device address by turning the round dial switch with a cross screwdriver diameter 3mm according to the production position