

AP&T®

AP-AC2456 IONIZING AIR GUN

AP&T_x



General:

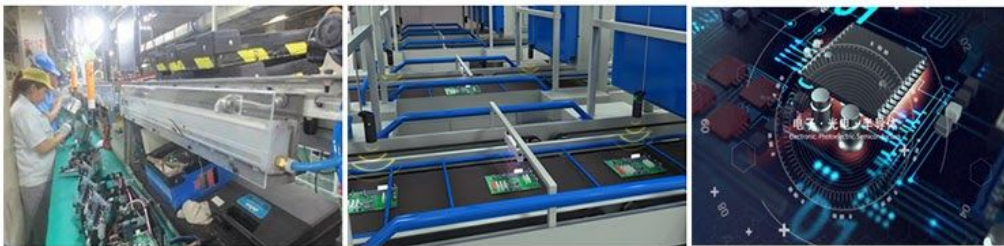
AP-AC2456 ionizing air gun is a small, light, fast and effective device to provide static protection for objective surface.

AP-AC2456 ionizing air gun applies the modern positive and negative ion interchange technology. It generates a symmetrical ion group on one electrode and transmits the ion to the objective surface with static by compressed air. It can eliminate the static on

objective surface efficiently and keep the remaining static at low level.

Industry Application

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



Electronics & Optoelectronics & Semiconductor



Printing Industry

Medical Equipment Industry



Plastic Industry



Textile Industry



Packaging

Product Feature

AP&T®



**Ionizing air gun
AP-AC2456**

+

**Power supply
AP-AC2455-28A/B**

- 1.Small size and portable operation.
- 2.Excellent electrical performance index and good performance.
- 3.Eliminate static electricity while removing dust from the surface.
- 4.It works safely under high voltage and micro current conditions.

5. Configure the AP-AC2455 series dedicated high voltage power supply.

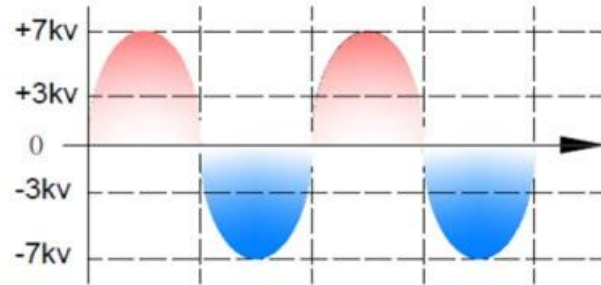
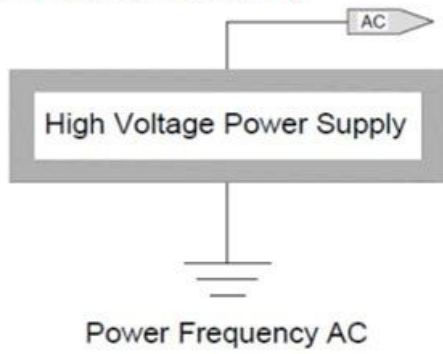
Specification

Model	AP-AC2456
Input voltage	AC220V/50Hz 110V/60Hz
Output voltage	AC2800V
Power	20W
Optimum working distance	150~300mm
Ion balancing	$\leq \pm 15V$ (match ESD STM3.1-2000; IEC 61340-5-1 standard)
Discharge speed	$\leq 2s$
Noise	$\leq 65db$ (150mm to blower)
Scope of air pressure	0.2 - 0.6mPa

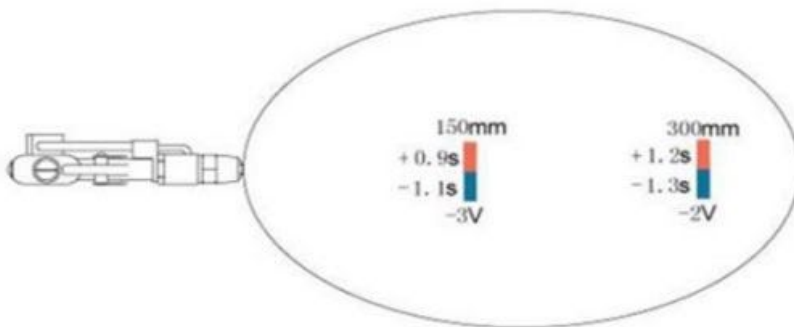
Working temperature	0 - 50°C
Air connector	8mm
Power cord length	2.5m
Net Weight	377g (include H.V cable)
Gross Weight	437g
Power supply	AP-DC-2455-28A/28B
Dimensions	150*35*160mm (L*W*H)

Working Ways (AC)

◆ Working Ways(AC)



◆ Elimination Effect



Testing instrument : 3M-711 Static tester

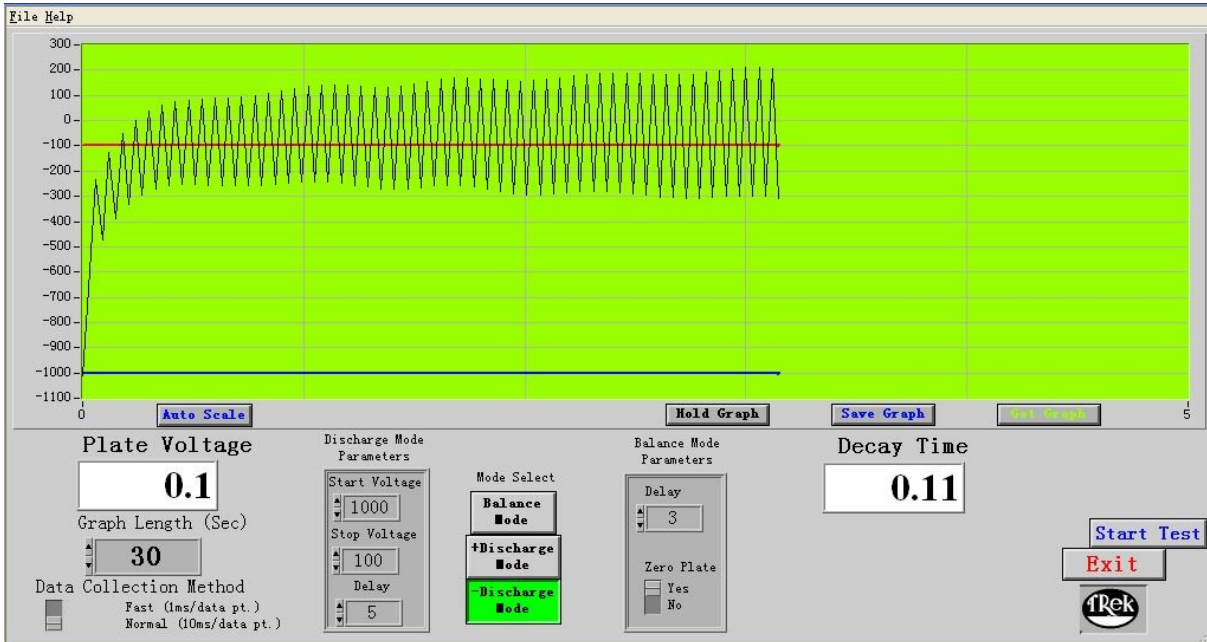
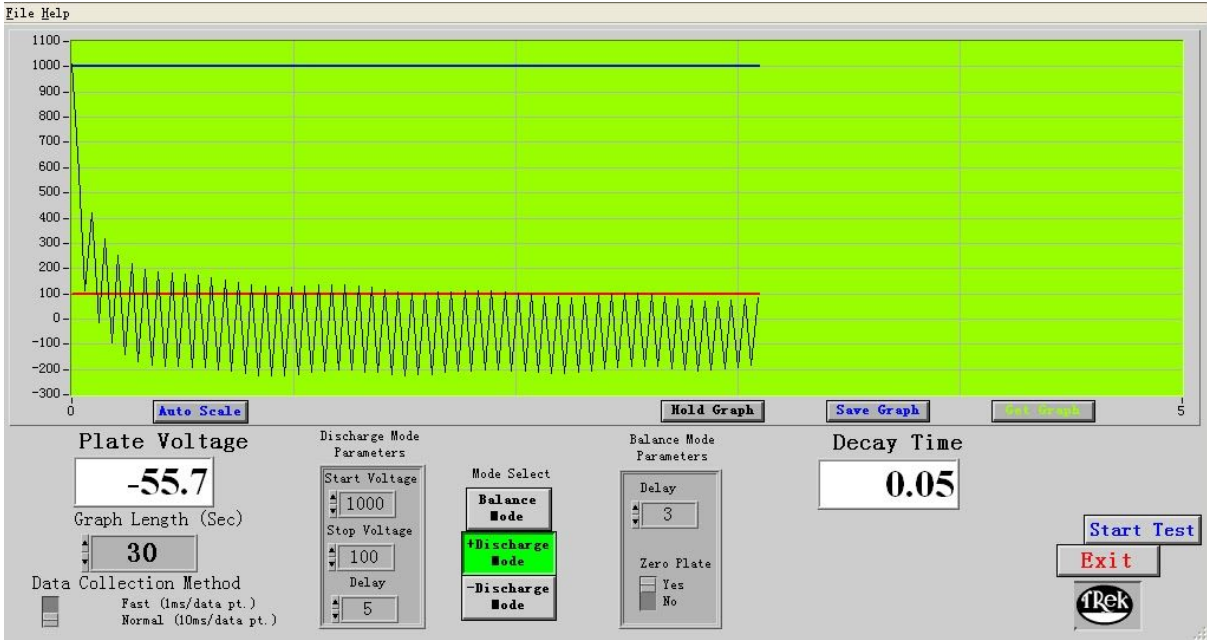
Testing standard : SJ/T10694-2006、GB/T14437-97

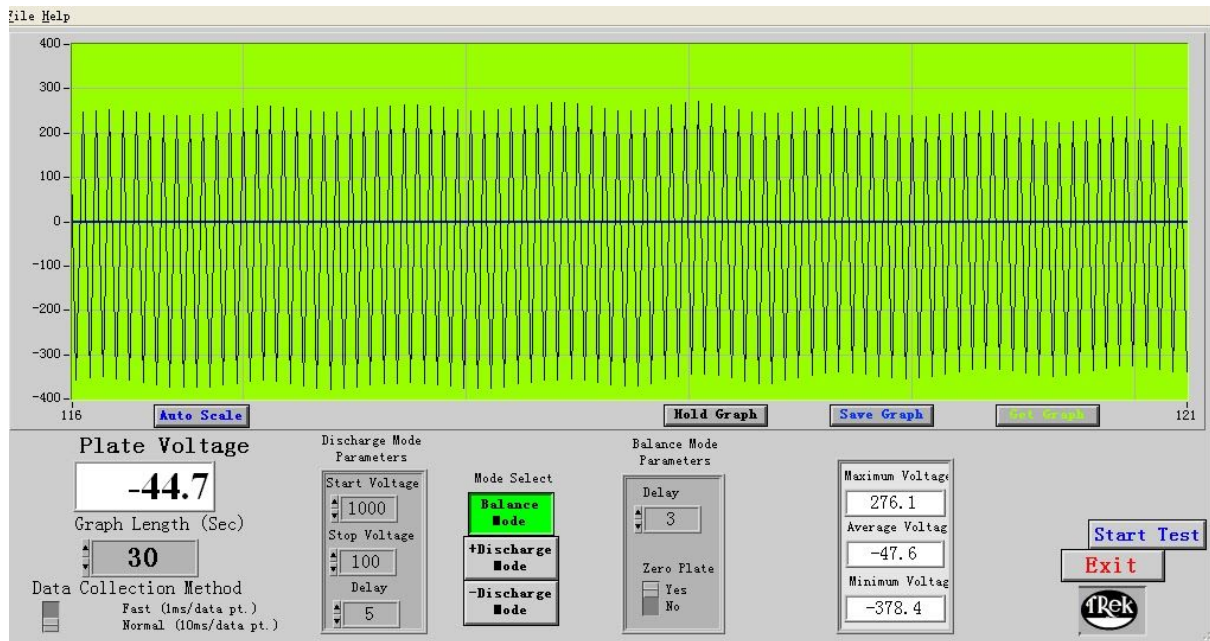
Testing voltage : ± 1000 — $\pm 100V$ Attenuation

Testing environment : Humidity 30%—50% Temperature $20 \pm 5^{\circ}C$

Testing Air pressure: 0.5MPa

Elimination Effect





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

Test Device : Trek157 static detector

Test Voltage : $\pm 1000\text{V} \rightarrow \pm 100\text{V}$ attenuation

Test environment : Humidity $50 \pm 5\%$; Temperature $23 \pm 3^\circ\text{C}$

Use and Installation

(1) Connect the power cord

of the air gun to the

high voltage output

end of AP-2455 generator.

(2) Switch on the power generator, LED indicator on.

(3) Connect the working air source. Adjust the pressure controller to proper value to reach the optimum effect.

Air gun should be close to the working area (appro. 150-300mm

to the target objective) when using. Air exit must aim to the target objective. By adjusting the input air pressure and gun angle could reach the optimum static removing effect.

Maintenance

(1) Take off the air cap in front of the air gun and observe the head of the alloy electrode. Change the electrode when it becomes obtuse while not sharp to guarantee the effectiveness of the static removing.

(2) If the indication light keep off user should stop operating the device and ask for maintenance. Device can only be used when the generator is under normal condition.

(3) Lubricant should be appended regularly to keep air source switch smooth.

Safety

(1) Be aware to read this user manual carefully before install and use this device.

(2) Do not locate this device in the environment with high moisture.

(3) Do not use this device in the flammable and explosive surrounding.

(4) Earth wire of the air gun and power generator should be connected reliably to guarantee the user safety.