

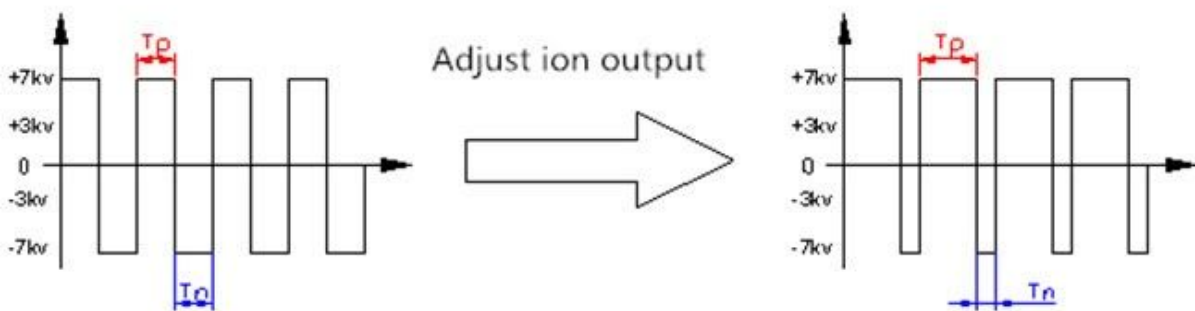
AP&T®

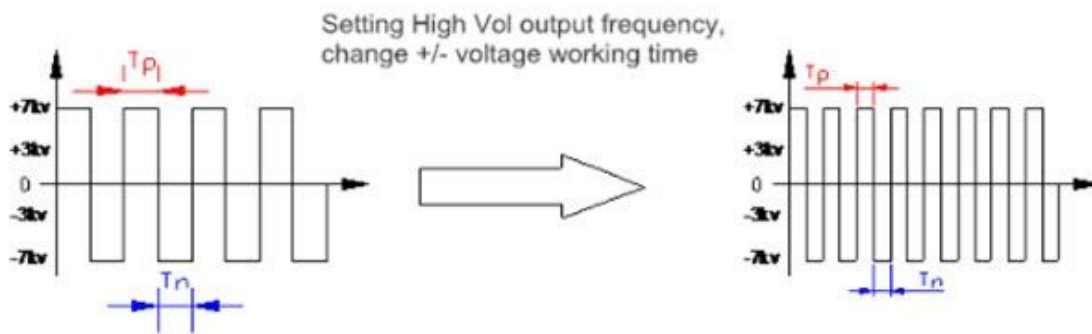
DB1213 Space ion bar



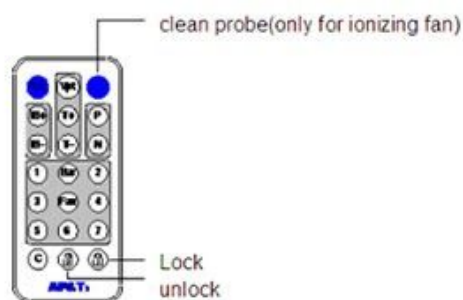
Industry Application

Wildly used in electronic, semiconductor, optoelectronics





Model :AP-DB1213
 Input voltage:DC 24V
 Power:4W
 Working voltage:±14KV



- 1."R/S": start/standby
- 2."IB+":Increase duty ready;"IB-":Decrease duty ratio ;
- 3."Vpt":Static sensor detector value setting;"Vpt"+"T+":increase value;"Vpt"+"T-"decrease value
- 4."T+":Increase cleaning cycle;"T-" decrease cleaning cycle;
- 5."P":Only positive voltage work;"N" Only Negative voltage work;
- 6."Bar"+"1":Set ion bar working frequency 1Hz;"Bar"+"2" Set ion bar working frequency 3Hz;
 "Bar"+"3"Set ion bar working frequency 5Hz;"Bar"+"4"Set ion bar working frequency 10Hz;
 "Bar"+"5"Set ion bar working frequency 20Hz;"Bar"+"6"Set ion bar working frequency 30Hz;
 "Bar"+"7"Set ion bar working frequency 50Hz;
- 7."Fan"+"1": set ion fan working frequency 3Hz;"Fan"+"2": set ion fan working frequency 5Hz;
 "Fan"+"3": set ion fan working frequency 8Hz;"Fan"+"4": set ion fan working frequency 10Hz;
 "Fan"+"5": set ion fan working frequency 20Hz;"Fan"+"6": set ion fan working frequency 30Hz;
 "Fan"+"7": set ion fan working frequency 50Hz;
- 8."C":Reset

When plate meter or static charged space have more positive static,Modify "IB-";When plate meter or static charged space have more negative static,modify "IB+",until the reach to the best ion balance.

Product Feature

- 1、 Manufactured by using the latest patented technology of static removing
- 2、 Adjustable positive and negative ion output rate to adjusting ion balance
- 3、 Adjustable positive and negative ion frequency.
- 4、 With alarm function of high voltage fault

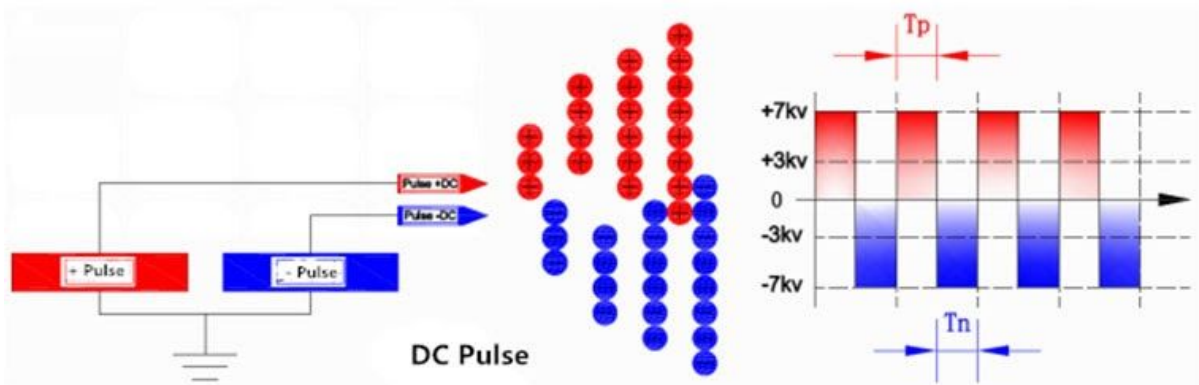
- 5、 Remote control ion output
- 6、 Shock-proof function prevent user from being electric shocked
- 7、 Realizing online communication, clearly ion bar status
- 8、 Passed CE certification, It can effectively avoid the external electromagnetic interference
- 9、 Electromagnetic protection functions

Specification

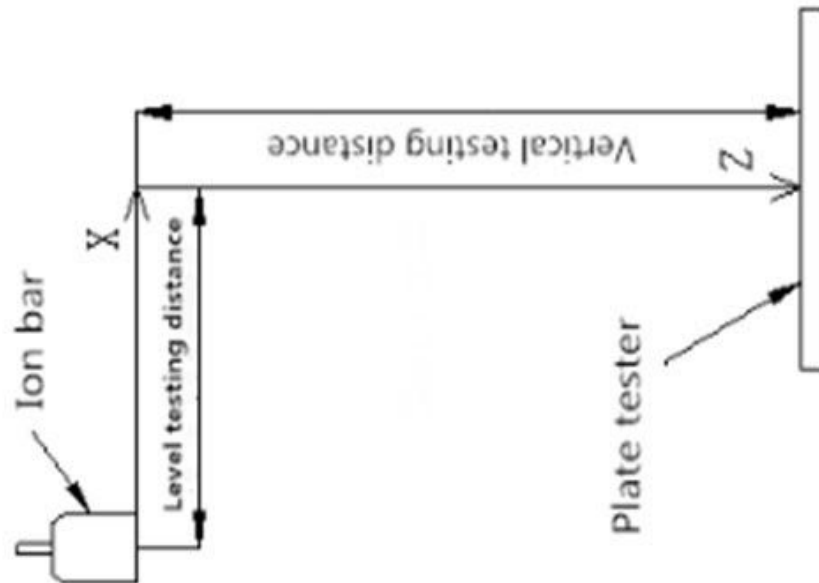
Model	AP-DB1213
Input voltage	DC 24V
Input current	<160mA
Power	4W
Working voltage	±14KV
Working way	Pulse DC
Pins	Tungsten
Output Frequency	0.01,0.05,0.1,0.3,1,3Hz ; (Factory setting : 0.05Hz)
Duty Ratio	10%—90%
Ozone density	<0.1ppm (distance to pins 50mm)
Condition monitoring	Series connected network monitoring
Working Temperature	0°C-50°C
Working Humidity	<70%
Dimension	L*W*H : {810...→2810 (pin to pin200mm) }*35*78.4mm
Bar body material	Flame retardant PVC、 ABS、 AL
Power adapter	GRT-240200 : DC24V 2A, 123*61*40.5mm (L*W*H)

Cable length	2.5m
Warranty	1 year
Certificate	CE

Working Ways (AC)



Elimination Effect



Test Data

Test distance Z (mm)	Test distance X (mm)	Frequency (Hz)	Bar length (mm)	Decay time (s)		Ion balance (V)		
				+	-	MIN	AVERAGE	MAX
1800	0	0.05	2010	34.5	37.9	-159	-15.6	163
1800	300	0.05	2010	50.6	52.1	-139	-7.9	87.3
1800	500	0.05	2010	49.7	52.4	-116	9.6	147
1800	1000	0.05	2010	82.3	84.5	-84.3	6.0	85.4

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

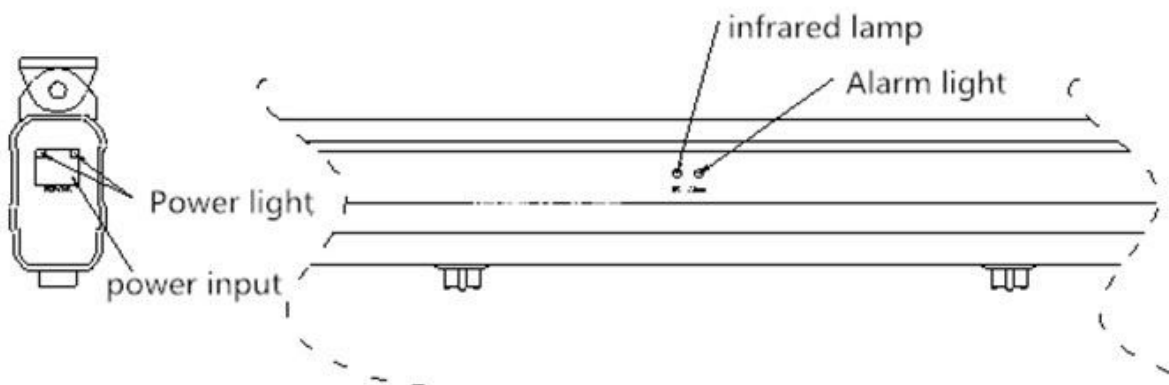
Testing instrument : Trek157 Static tester

Testing voltage : $\pm 1000V \rightarrow \pm 100V$ Attenuation

Testing environment : humidity $50 \pm 5\%$, Temperature $23 \pm 3^\circ C$

Use and Installation

1.Installation guide



(1) Select the best position, and install the ion bar and the matching power adapter firmly.

- (2) Connect power cable to power adapter, another end put in ion bar
- (3) Connect air source to air pressure device, switch on air supply.
- (4) The ion bar is working When the network interface indicator lamp light, Modify suitable air pressure and high voltage to output positive, negative ions to neutralize static charges on objects surface.

2.Dimension

