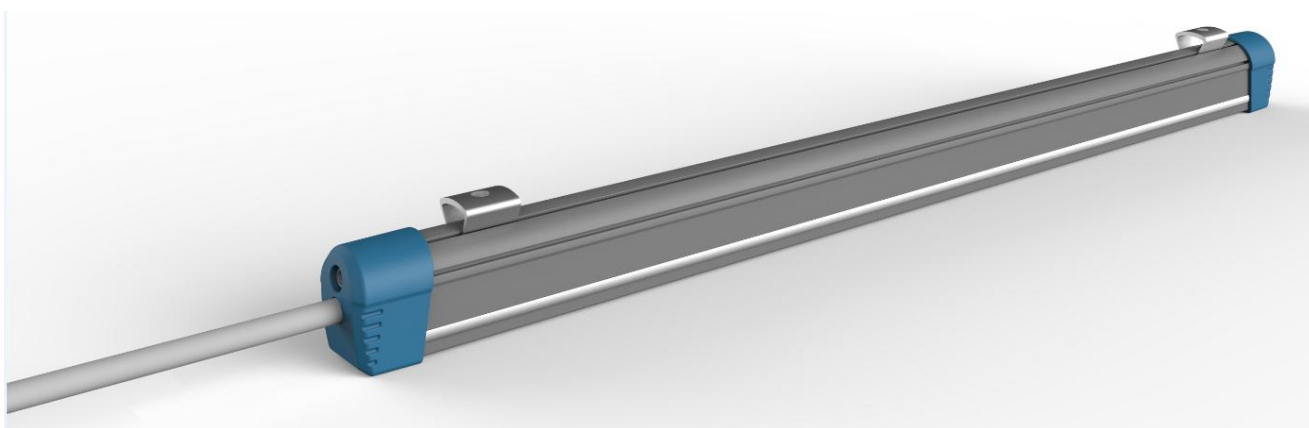
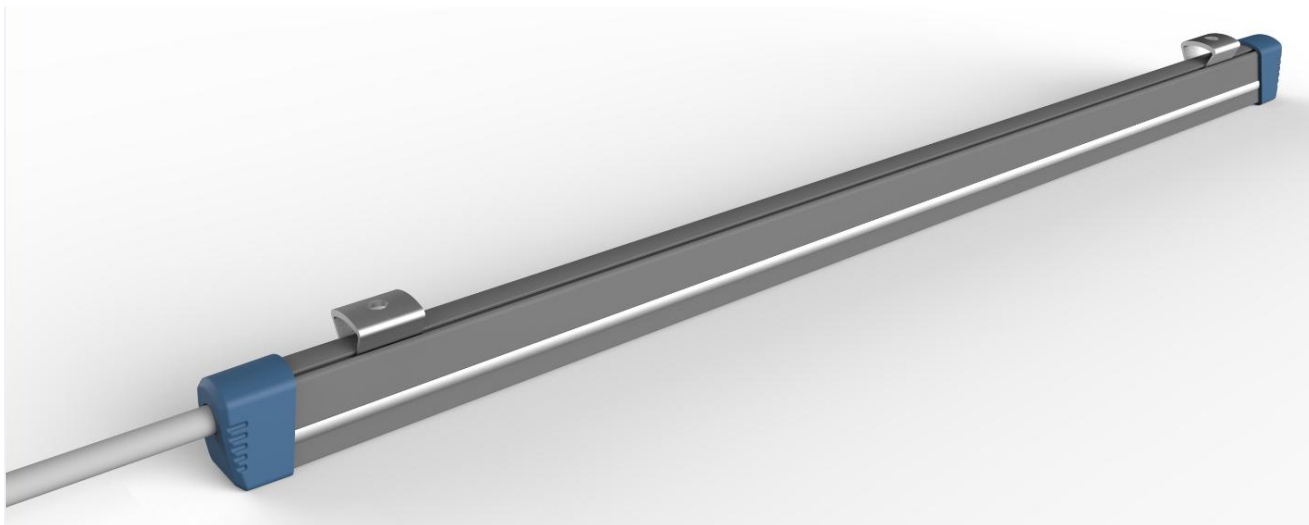


AP-AB1601/1602

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 (μ A 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 Application

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

◆ Specification

Model	AP-AB1601	AP-AB1602
Explosion-proof mark	Ex s II B T4 Gb	Ex s II B T4 Gb

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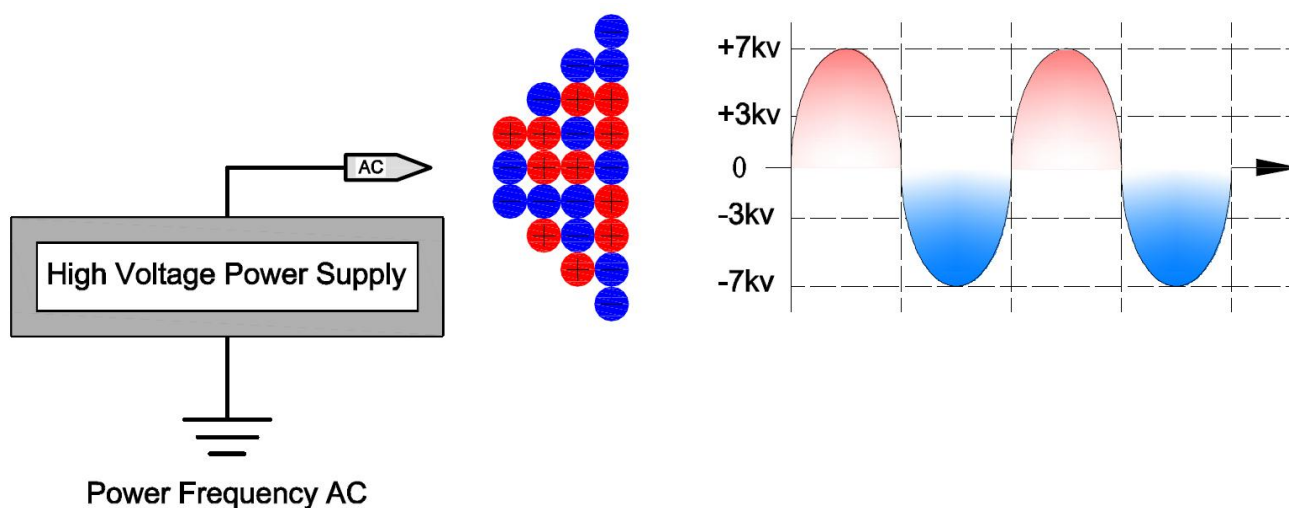
地址：上海市徐汇区漕河泾开发区桂箐路 69 号 27 号楼 3 层

邮编：200233 电话：021-64517676 传真：021-64517673

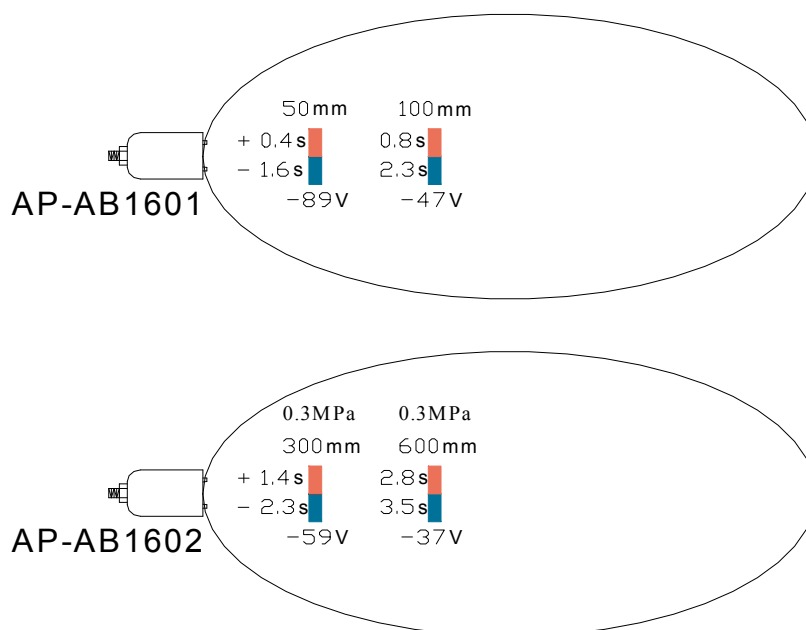
<http://www.ap-static.cn>

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	$< 3.5pF$	$< 3.5pF$
Discharge distance	30—150mm	100—600mm
Ion balance	$\leq \pm 100V $	$\leq \pm 100V $
Discharge speed	$\leq 2.5S$ (Working distance 100mm)	$\leq 2.5S$ (Working distance 300mm)
Working temperature	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

◆ Working Ways (AC)



◆ 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 $23 \pm 3^\circ C$

◆ Special Conditions For Safe Use Of The Product

The explosion-proof certificate number suffix "X" shows that the product has special conditions for safe use, the specific contents are as follows:

- (1) The product can not be used in places where conductive objects are likely to be attached to the electrodes (Can not be used if carbon, metal foil and other conductive objects may be attached to electrodes of ion bar).
- (2) The distance between the electrode of ion bar and the object should be more than 20mm.
- (3) The distance between the electrode of ion bar and the mechanical frame should be more than 10mm.
- (4) The electrode of ion bar should be kept clean. Dry cleaning of electrode support is strictly prohibited.
- (5) The power supply device does not have the explosion-proof structure and must be set in the non dangerous place.
- (6) The maximum length of the high voltage cable is 8m.
- (7) It is strictly prohibited to use when cover is open.
- (8) Friction on products outer surface is strictly prohibited to prevent static ignition risk.

◆ Caution When Use

- (1) Requirement of environment:

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<http://www.ap-static.cn>

Temperature: (0 ~ +50) °C, Humidity: 35% ~ 75%, Altitude: lower than 1000m.

- (2) The product grounding terminals should be reliably grounded.
- (3) The "no charged open" principle should be obeyed when use and maintain at the field spot.
- (4) The users are not allowed to replace the parts or components of the product.
- (5) The electrical parameters of the equipment are as follows:

Electrode			Power supply				
Voltage (V)	Frequency (Hz)	Needle binding content (pF/group)	Primary voltage (V)	Secondary voltage (V)	Frequency (Hz)	Capacity (VA)	Insulation grade
4000	50	3.5	100	4000	50	25	E
	60		110		60		
			220				

- (6) The installation, use and maintenance of the product shall comply with the product specification and the following relevant standards and specifications:

GB 3836.13 - 2013 explosive environment part 13: equipment repair, overhaul, repair and transformation

GB 3836.15 - 2000 electrical equipment for explosive gas atmospheres - Part 15: electrical installations in hazardous locations (except for coal mines)

GB 3836.16 - 2006 electrical equipment for explosive gas atmospheres - Part 16: Inspection and maintenance of electrical equipment (except for coal mines)

GB 50257 - 2014 explosion and fire hazardous environments of electrical equipment installations, Specification for construction and acceptance of electrical equipments

GB 3836.18 - 2010 explosive environments - Part 18: intrinsically safe systems

- (7) Please read the instruction manual carefully before installing and using the equipment.

◆Outline Dimensional Drawing

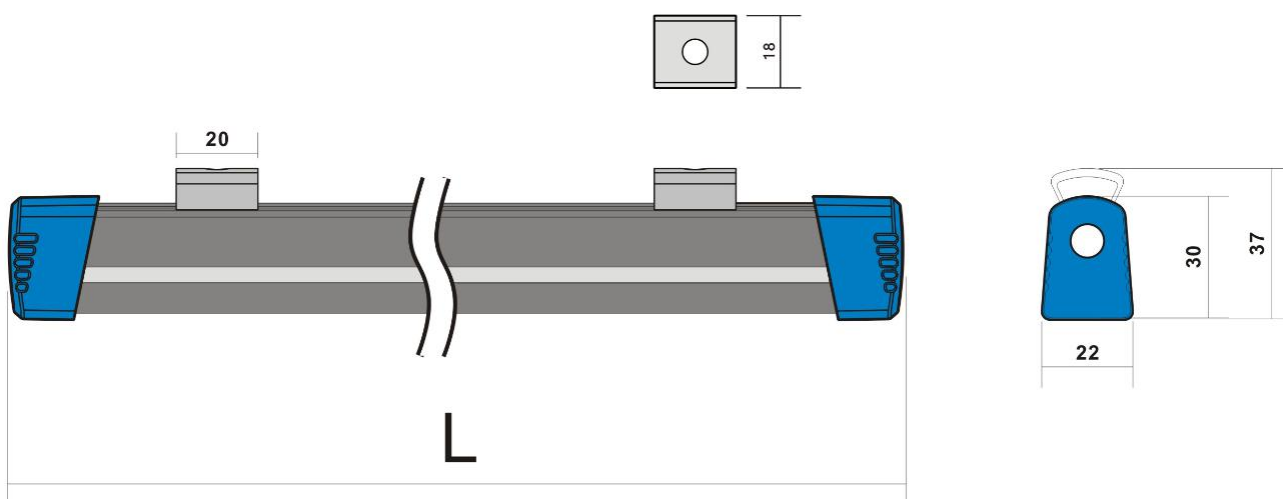


Figure 1 AP-AB1601 Dimension

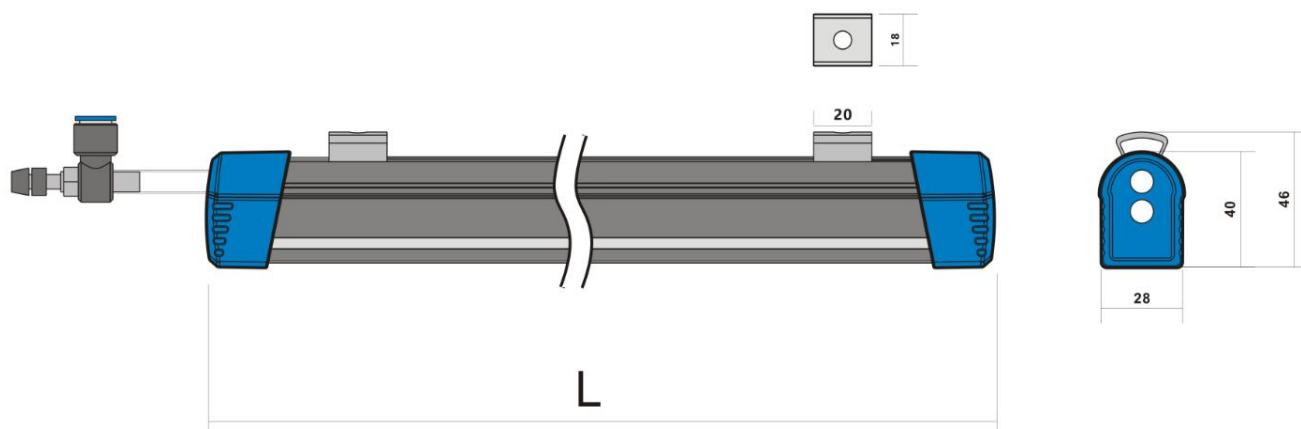


Figure 2 AP-AB1602 Dimension