

IONIZER PRO



- 1 054035** - Conjunto carcasa
- 2 054039** - Circuito encapsulado
- 3 054010** - Muelle para gatillo
- 4 054016** - Imán para gatillo
- 5 054036** - Gatillo pulsador
- 6 054038** - Tapa posterior
- 7 054009** - Tornillos

- 8 050710** - Conector rosca macho
- 9 054007** - Tuerca de sujeción
- 10 054005** - Racor pasamuros
- 11 054024** - Arandela para racor
- 12 054006** - Tubo CDC
- 13 054004** - Racor compacto
- 14 054003** - Válvula neumática
- 15 054020** - Alimentador

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IONIZER pro

Manual de utilización **ES** / User Manual **EN** / Manuel d'utilisation **FR** / Manuale dell'utente **IT**



IONIZER pro

User Manual EN

IONIZER PRO



WARNING:

Before operating this equipment read this user guide carefully. Follow the instructions described in this user's manual to ensure a correct operation of the tool.

1. Introduction

Static electricity is an invisible energy which causes problems in the body shops and paint spray booths, where there are buildups of electrostatic charges in the surfaces. Generally, it is caused when materials come into contact or when they are cleaned before the painting process. Consequently, the objects get attracted or they repel to one another. This can cause discharges or it can even create a spark which can lead to another object.

Static is a major cause of paint film contamination and nonconsistent laydown of metallic. A high number of everyday tasks in a body shop can cause electrostatic buildups, such as sanding, blowing, masking or cleaning. The final preparation process is one of the higher static electricity generators. All these processes involve some kind of contact with the surface, whether it is physical or air contact. Even the process of painting with a spray gun can build up statics in the surface to be treated.

Due to all the processes in the paint spray booth can cause static electricity, and since this electricity easily moves through all the surface to be treated, it is necessary to ionize all the working area, even the edges, before every application. Since static electricity as an invisible energy, it can also appear when applying treated air on the surface. What the treated air is actually doing is coating the panel with an invisible layer of positive and negative ions which rapidly neutralizes static charges.

2. Description and content

2.1. Description

IONIZER PRO is an advanced cordless system which generates positive and negative ions and the necessary energy to neutralize static electricity present in all charged surfaces to leave them free of dirt particles, ready to be painted.

The system is composed of an ions generator and a valve which leads the compressed air towards the target to be neutralized, the air and ions combination cause the expulsion of the particles preventing them to be adhered to any surface due to a loss of charge. The electrodes are aligned with the laser so that it will always mark the area where the static neutralization is applied to.

It is also provided with a 4-level charging battery indicator placed in the upper part to be easily visible to the user and it is activated during charging or during the operation of the gun.

The tool charges through an AC-DC system provided and which is connected to the socket on the back of the gun.

2.2. Content

The IONIZER PRO equipment is composed of:

- 1 IONIZER PRO gun
- 1 charger
- 4 power adapters (for reference 050290 only)
- User manual



3. Electrical specifications

3.1. Electrical features

Specifications	
Input voltage	5VDC.
Max. charging current	550mA.
Output voltage	+/-6500V Tol.:10%.
Max. output voltage	<=20uA.
Max. working power	1.5W.
Laser pointer	650nm <1mW Class II
Charger	Input: 110/230V 50/60Hz Output: 5Vdc 750mA
Internal battery	LIPO 1800mAh 3.7v
Battery charge cycles	500 full cycles: battery 100% (3000 Hours)

* For best battery performance, it is recommended to completely exhaust the battery charge before recharging.

3.2 Air lines

Aluminum and stainless steel air lines are the most efficient ones. We do recommend filtering the air with 2-body models, water + oil filtering (Bossauto code: 050436), or 3-body models, water + oil + active carbon (Bossauto code: 050384). This type of air filters are the most efficient to use either with the IONIZER PRO or for painting tasks.

4. Equipment operation and maintenance

4.1. Installation and operating instructions

The IONIZER PRO gun does not require any installation previous to its use.

However, it is recommended to observe the following instructions about its starting and operation:



1. Connect the IONIZER PRO gun to the charger.



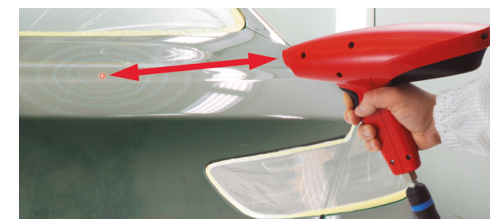
2. The lit green LED indicates that the gun is ready to use.



3. Once the gun is charged, unplug the gun from the charger and connect to the air line.



4. Pull the trigger. The laser indicates the area that is being decontaminated and ionizing.



5. Application is the same as painting, without changing the distance, speed or pressure.

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6. This operation is made before applying the paint and the clear coat or final coating.

7. Any cloth will be used by no means during all the application of the IONIZER PRO gun.

4.2. LED Indicators and charging of the gun

The IONIZER PRO is provided with a 4-level charging battery indicator placed in the upper part that will be visible during charging and also while using the gun when pulling the trigger.

The indicator shows	
Charge	Lit LEDs
100%	All
75%	3
50%	2
25%	1 (red, steady)
<5%	1 (red, flash) The gun has to be charged



The gun needs 3-hours charge for a full charge. This provides an estimated autonomy of 4 hours of continuous work. There is no battery charge loss while the tool is in stand by mode or while it is not being used, even after a few days.

4.3. Wiring

The equipment comes with an AC-DC CE-homologated adaptor provided with a 1m wire with the appropriate section to charge the gun and a complementary Jack power plug to the gun socket.

Do not manipulate the charger, in case of suffering any damage, please contact with the manufacturer.

4.4. Cleaning of the equipment

Clean the outer part of the IONIZER PRO with a damp cloth (do not use, by any means, a wet cloth), and we do recommend using a microfiber cloth whenever possible.

Do not use any solvents to clean the tool.



ADVERTENCE:
Do not manipulate or touch the electrodes in the front part (air and laser outlets).

5. Safety

- The equipment is properly protected for the uses described in this user manual.
- Do not charge this system with other charger different from the one provided by the manufacturer.

- Do not short-circuit the electrodes for an extended period of time. Otherwise, the equipment can suffer internal damages which can be irreparable.
- Avoid contact with the electrodes.
- Do not immerse any part of the IONIZER PRO gun in any conductive fluid.
- Ensure adequate ventilation for the work area. Do not use it simultaneously during the painting process.
- Observe the safety regulations: the user is responsible for the utilization of the tool and for the compliance of the safety requirements, not only individual's but also the ones in the workplace. Use hearing and eye protection.
- During the use of the gun, avoid to place the nozzle close or directing to the eyes or ears.
- This product may interfere with the operation of pacemakers due to high voltage discharges and other sources of electric or magnetic fields. Affected users should be informed about the possible risks before using or being near this tool.
- Always use the charger in a safe area and regularly control the electric wire to avoid any possible accidents caused by damage.
- This machine can only be repaired and handled by the technical department of the official supplier.
- This machine uses compressed air, so dry, clean and filtered air should be used. Use only for the appropriate purposes. It can only be used with no air in a short distance or in small areas.
- When plugging and unplugging the tool, act in accordance to the usual safety regulations.

Annotations



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