



ECO-S01 HIGH PERFORMANCE AC IONIZING AIR SNAKE INSTRUCTION MANUAL

1 INTRODUCTION

ECO-S01 ionizing air snake is a kind of firm fixing type static-eliminating device and belongs to static-eliminating products using compressed air. It features simple and convenient installation, safe and steady working state, strong air speed, short static elimination time, low ion balance voltage, etc.

2 OPERATING THEORY

ECO-S01 ionizing air snake generates lots of positive and negative charges air masses and in the meantime make compressed air blow out quickly to neutralize charges on objects. When object surface is charged with negative charges, it can attract positive charges in air flow; when object surface is charged with positive charges, it can attract negative charges in airflow. Therefore, the static on object surface is neutralized and the purpose of eliminating static is reached. The compressed air also can blow the dust built on the objects away.

Ionizing elements: it can form a steady and strong electric field under the functions of high voltage generator generating low current and high voltage and ionize air into ion bodies. And then, send the ion bodies to object surface by high voltage airflow in order to realize static neutralization and dust-eliminating purposes.

3 FEATURES

- Quick neutralizing static;
- Ion flow can cover large area;
- Air snake can change the directions of air blowing and shower;
- This equipment possesses good grounding protection;
- Excellent ion balance control: $\leq |\pm 15|V$.

4 TECHNOLOGY PARAMETERS

- Working voltage: 5.6KV
- Consumed current: $\leq 300\mu A$
- Air flux: $> 300CFM(5KgF/cm^2)$
- Operating temperature: $0^{\circ}C \sim 50^{\circ}C$
- Ozone content: 0.03PPM

5 DATE CHART OF ION BALANCE TIME

Testing voltage:	$\pm 1000V$ to $\pm 100V$	Test environment:	Temperature $24^{\circ}C$
			Humidity 55%
Test distance		150mm	
Item		Static decay time	Ion balance
Eliminate positive charge		0.9s	10V
Eliminate negative charge		1.0s	11V

*Static decay time measures up with ESD standard. Static decay time is tested on the testing voltage from $\pm 1000V \sim \pm 100V$.

*Test instrument: TREK 156A static integrated instrument.

*The testing data will vary with temperature and humidity of air around.

6 SAFETY

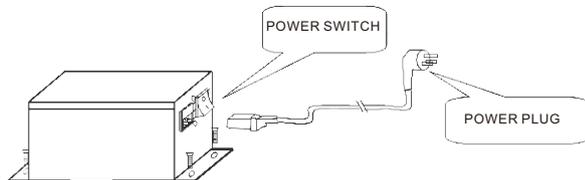
- Please read the operating instructions completely before installation;
- Make sure air snake has reliable grounding before operation;
- Do not use this equipment under inflammable and explosive environments;
- Do not refit or repair the air snake by yourself.

7 INSTALLATION AND OPERATION

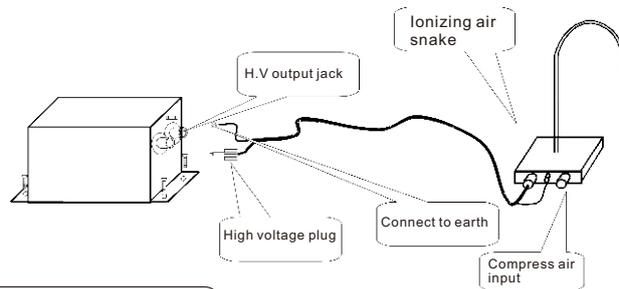
To use, ECO-S01 needs to be equipped with ECO-H03T high voltage generator at the same time. Please insert the connection wire end of air snake into high-voltage output jack of high voltage generator and turn it clockwise to bottom; and then, connect grounding cord of air snake connection wire onto the grounding pillar and ensure good grounding. Insert power plug of high voltage generator into socket with grounding cord (pay attention to the use voltage of high voltage generator) and plug into compressed air pipe. At this time, turn on the power supply and the air snake can work normally.

Note: can choose to fix air filter, air throttle or photoelectricity induction switch (belongs to choose and buy fittings) if necessary.

7.1 Power supply installation



7.2 Air snake and high voltage generator installation



8 WARRANTY AND SERVICES

HORB tenet: high quality, good credit standing and customers paramount to all others. The following promises are available for ECO products:

■ Warranty period

From the purchase day on, we offer one year warranty. In the warranty period, we will repair the products for free because of quality problems caused by product parts itself and material and craftwork. The warranty is not available, if the equipment is used abnormally.

■ Services available after warranty period

After warranty period, we will still take responsible for product repair with no manual working fee to protect customers' interests.



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■ Suppliers Information

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