



## **STOPESD** affordable ESD solutions **IONIZING AIR CARTRIDGE – S-ION-110**

### **IONIZING AIR CARTRIDGE – S-ION-110**



S-ION-110's self-contained compressed air ionizing cartridge controls static charge in production, packaging, laboratory and other environments where static build-up can cause contamination, ESD, material handling problems or microprocessor lock-up. Compact and rugged, the cartridge can be used either for in-line ionization or as an ionizing blowoff gun. For in-line use, connect the Ion 110 to compressed air source and it is ready to ionize any type of production equipment. Or attach the cartridge to an ordinary air gun and the airstream is ionized for effective particle removal. An internal sensor initiates ionization only when the gun is triggered, ensuring on demand control of static charge.

#### **Features:**

- ☀ IsoStat® Technology
- ☀ Internal air flow sensor
- ☀ Shielded emitter points
- ☀ Compact size
- ☀ Optional blow-off gun kit
- ☀ Audio or visual notification of system failure not included with this model

#### **Benefits:**

- ☀ Intrinsically balanced; no calibration needed
- ☀ On-demand ionization during gun operation
- ☀ No shock hazard
- ☀ Adapts to compressed air lines
- ☀ Fits any air gun

#### **Applications:**

In-line ionization. Reduces ESD damage and microprocessor lock-up in:

- ☀ IC packaging and marking
- ☀ Surface-mount equipment
- ☀ Device testing equipment

Ionizing blow-off gun. Removes particles in:

- ☀ Printed circuit board assembly
- ☀ Medical device manufacturing
- ☀ Film processing

#### **Patented IsoStat Technology**

The ION 110's patented IsoStat technology guarantees intrinsically balanced ionization and eliminates complicated feedback circuits. Ionizers incorporating this technology never need calibration and require very little maintenance. IsoStat is based on a law of physics, Conservation of Charge, which states that charge cannot be created or destroyed in an isolated system. By isolating the ionizer's emitter points from ground, IsoStat ensures equal numbers of positive and negative ions to better protect sensitive products.



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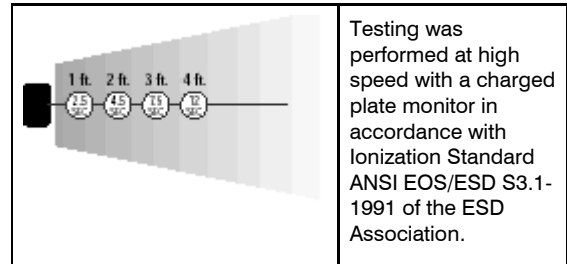


# STOPESD *affordable ESD solutions*

## IONIZING AIR CARTRIDGE – S-ION-110

### SPECIFICATIONS

<b>Input</b>	Ⓛ VAC, less than 1 watt, from wall transformer
<b>Power Source</b>	Wall transformer: 120 VAC (powers up to 10 units), 230 VAC model available
<b>Power</b>	Indicator Green LED
<b>Ion Emission</b>	Steady-state DC
<b>Emitter Points</b>	Permanent tungsten alloy, estimated life:5 years of continuous use
<b>Ion Balance</b>	Better than $\pm 25$ volts at 6 inches
<b>Discharge Time</b>	$\pm 1,000$ volts to 100 volts
<b>Air Flow</b>	Requirements At least 2 scfm
<b>Air Line Requirements</b>	1/4" NPT female (input and output); 1/8" NPT adapter available
<b>Internal Sensor</b>	Turns ionizer off when air is not flowing; model without sensor also available for continuous flow applications
<b>Dimensions</b>	2.2"D x 3.1"L (5.6 x 7.9 cm) not including fittings
<b>Weight</b>	6 oz. (170.1 g)
<b>Warranty</b>	2-year limited warranty
<b>Certifications</b>	CE Ⓛ
<b>Wall Transformer</b>	
<b>Input</b>	120 VAC, 50/60 Hz, 32 watts, alternate transformer available for 230 VAC operation; powers up to four 6110(a) cartridges with an optional Y connector
<b>Output</b>	24 VAC, 1.0 amp
<b>Cabling</b>	8' (243.8 cm) cable with RJ-11 connectors; custom lengths available
<b>Dimensions</b>	3.2"H x 2.5"W x 1.9" D (8.1 x 6.6 x 4.8 cm)
<b>Weight</b>	1 lb. (454 g)
<b>Certifications</b>	(120 VAC model) R



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