

## Bench Top Air Ionizer - ION 95



The Ion 95 Benchtop Blower features an adjustable two-speed fan for varying applications and operating conditions for high performance electrostatics management. The small footprint of the Ion 95 allows the ionizer to occupy much less workspace than traditional bulky blowers. With its universal mounting bracket/stand, the unit can be used to control static charge in virtually any location. The Ion 95 features IsoStat technology for intrinsically balanced ionization, eliminating the need for periodic calibration regardless of variations in line voltage or fan speed. It controls static charge wherever contamination, electrostatic discharge (ESD), material-handling problems or microprocessor lock-up are concerns in the manufacturing environment.

### Features:

- ☀ IsoStat® Technology
- ☀ Steady-state DC ion emission
- ☀ Auto Clean System
- ☀ Alarm relay closure circuitry
- ☀ Multicolor LED indicator

### Benefits:

- ☀ Intrinsically balanced and never needs calibration
- ☀ Efficient ion delivery at the workstation
- ☀ Reduces manual emitter point cleanings
- ☀ Alarm notification output communicates system failure to a remote location
- ☀ Visual performance indicator: Green for normal operation and red signals a

catastrophic alarm

### Applications:

- ☀ Reduces ESD damage and improves product flow for sensitive electronic components in areas such as:
- ☀ Electronics assembly
- ☀ QA inspection
- ☀ IC packaging and marking
- ☀ Surface-mount equipment
- ☀ Robotic workstations
- ☀ Computer stations
- ☀ IC insertion equipment
- ☀ Printing presses
- ☀ Film processing

### Patented IsoStat Technology

The ION 95'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.



# STOPESD *affordable ESD solutions*

## ION 95 Bench Top Air Ionizer

### SPECIFICATIONS:

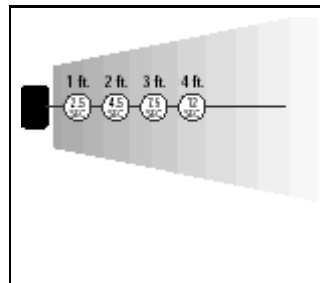
<b>Input Power</b>	24 VAC, 7 watts
<b>Indicator Multicolor LED</b>	Power on-green, alarm-red
<b>Ion Emission</b>	Steady-state DC
<b>Emitter Points</b>	Tungsten; 2-year life
<b>Ion Balance</b>	Better than $\pm 15$ volts at 1 foot*
<b>Discharge Time</b>	<_ 3 seconds @ 1 foot
<b>Air Volume</b>	112 CFM maximum
<b>Ozone</b>	<0.005 ppm (24-hour accumulation)
<b>Mounting</b>	Gimbaled bracket/stand
<b>Dimensions</b>	10.5"H x 7.6"W x 5"D (26.67 x 19.3 x 5.7 cm)
<b>Weight</b>	3.4 lbs. (1.36 Kg)
<b>Operating Environment</b>	Temperature Range 68-77F (20-25C) Humidity 30-50% RH (non-condensing)
<b>Warranty</b>	2-year limited warranty
<b>Certifications</b>	CE UL

\*With periodic unit cleaning.



### Auto Clean System

The Auto Clean System features a brush mechanism which sweeps the emitter points when the blower is turned off and on, allowing the ION 200 to always perform at optimum ion output and balance. This automated feature results in reduced operation costs due to lower maintenance.



Testing was performed at high speed with a charged plate monitor in accordance with Ionization Standard ANSI EOS/ESD S3.1- 1991 of the ESD Association.



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