

StaticAIRE™ IN1000 Still Air Ionizer Operation

Description

The StaticAIRE IN1000 Ionizer is designed to effectively eliminate localized static charges which exist in the work area. Pulse rate and ion balance controls allow for effective calibration and adjustment of the Ionizer to give optimum ion balance and decay output.

Unpacking and Inspection

We recommend careful examination of the carton and contents for any damage. If the product is damaged maintain all packing material and immediately notify carrier of a possible damage claim. Contact Transforming Technologies for non-shipping damages.



Operation

The StaticAIRE IN1000 comes completely balanced and ready to use.

1. Place IN1000 on a flat, level surface, 12" from area to be ionized.
2. Plug the IN1000 into any 120V AC (220V optional) electrical outlet.
3. Turn on/off switch to ON position.

Note:

Keep effective area clear and free from obstructions of ion flow. Care should be exercised during handling to prevent the unit from falling face down. The emitter pins will be damaged or broken if this happens.

Maintenance

The StaticAIRE IN1000 Ionizer was designed to be virtually maintenance free. The emitter points can be cleaned when there is a visible accumulation of dirt. Generally this would be twice a year, depending on the cleanliness level of the working environment.

1. Check the emitter points for dirt accumulation.
2. Be sure the unit is unplugged.
3. Wipe emitter point with a swab dampened in isopropyl alcohol.
4. The outside case may be wiped down with a soft damp cloth.

If your processing involves generation of excessive or considerable amounts of static charged particles, you may want to clean the unit more frequently.

Calibration

The IN1000 is factory set to achieve a maximum balanced ion output in standard applications. To certify calibration, we recommend a charge plate monitor, such as the Transforming Technologies 288B, to test ion balance and positive/negative decay times. Compare these to the specifications to verify proper working order of ionizer.

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Adjustments

There are two adjustments that can be made on the IN1000, the BALANCE and the RATE. The BALANCE of positive and negative ion output can be adjusted to increase polarity bias by inserting a small screwdriver through the BALANCE port and slowly turning the trimpot CLOCKWISE to increase positive and decrease negative ON time pulses OR Counter CLOCKWISE to increase negative and decrease positive ON time pulses. The RATE or pulse frequency can be adjusted down to one pulse per second or up to 5 pulses per second by inserting a small screwdriver through the RATE port and slowly turning the trimpot clockwise to increase and Counterclockwise to decrease the frequency.

Specifications

Dimensions: 3.5" W x 3.1" L x 3.75" H

Weight: 2lbs (.91kg)

Balance (offset voltage) at 12": ±250Volts Typical

Neutralization (Discharge) Times at 12": <15 seconds (positive and negative voltage)

Optimal Effective Range: 6-12 inches.

Power Consumption: 120 VAC, .04 A, 4.8 W

Output Voltage: 15kv

Electrical Material: Thoriated Tungsten

Pulse Frequency: Adjustable from 1pulse/sec/ to 5 pulses/sec.

Warranty

Transforming Technologies, LLC provides a limited warranty for the IN1000 Ionizers. All new products are guaranteed to be free from defects in material and workmanship for a period of one (1) year from the date of shipment. Liability is limited to servicing (after evaluating, re-pairing or replacing) any product returned to Transforming Technologies. The company does not warrant damage due to misuse, neglect, alteration or accident. In no event shall Transforming Technologies be liable for collateral or consequential damages. To receive service under warranty, please contact Transforming Technologies.