

PTEC™ Ionizers

IN6430 Ionizing Gun

Best In Class, Precision Ionizing Performance

Transforming Technologies' IN6430 ionizing air gun is a superior static eliminating device that integrates best-in-class AC performance and ergonomic design features into a superior and affordable package. The IN6430 works twofold as a forceful blow off gun that easily removes particulate from surfaces and as a neutralizer to remove the charges responsible for the attraction of contaminants to product surfaces.

Typical AC ionizing guns require stiff and bulky high voltage (HV) cables to connect the gun to the power supply. The IN6430 integrates the air and HV cables into one, durable, easily to flex cable.

Ptec™ Stability

The IN6430 uses Ptec™, a specialized piezoceramic technology, to create a high frequency AC ionizing output with exceptional balance and decay performance. We eliminate high voltage cables by locating the power supply in the ionizing gun handle. Our OSHA compliant emitter nozzle protects both the operator and ionizer. Emitter contamination and wear are virtually non-existent with AC ionizing guns.



Features

- Point-And-Shoot Precision Ionization
- Inherently Stable Ptec™ Technology
- Dense Output of High Frequency AC (68KHz) Ion Emission
- Single Integrated Air/Power Cable with Strain Relief Protects Cables.
- Ergonomic Handle Design
- 0.01 Micron Hollow Fiber Filter Available

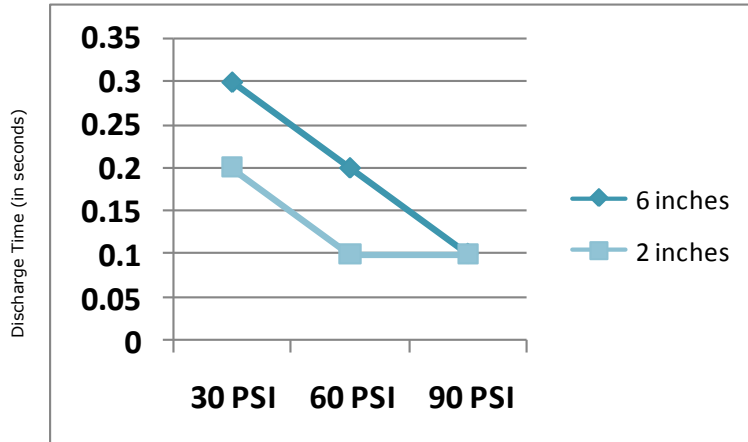
Applications:

The IN6430 is designed to neutralize electrostatic charges in personal bench top environments, sensitive materials assembly, SMT, Electronics Assembly, Automotive packaging, clean room and laboratory environments.

This document is prepared for our customers as a service, and is to the best of our knowledge true and accurate. However, it is understood and agreed by the users of this document that we will accept no liability for the conclusions reached. Users of this document may therefore wish to perform additional testing before determining that products mentioned are suitable.

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Ionization Performance



Offset voltage and discharge time per ANSI/ESD STM3.1 using a charged plate monitor with a 20pF, 6" x 6" plate. 1000 to 100 volts. Typical results.



Model IN6430 Ptec™ Specifications

Power Input	AC 100V~240V, 50/60Hz
Power Outlet	un-fused, 0.5A or 1.0A max.
Ion Emission	AC, 68KHz
Balance	±30 volts
Decay Time	1000V—100V, < 2 seconds @12"
Temperature	66-78°F (19-25°C)
Humidity	20-60% RH (non-condensing)
Air Pressure	20—75 PSI, CDA or N ₂
Indicators	Power: Green LED, Alarm: Red
Controls	On/off switch
Mounting	Mounting holes on controller
Emitter Points	Tungsten Alloy
Dimensions	
Hand Unit	8.5"H x 4"W x 1"D,
Console	3.5"H x 6.25"W x 1.5"D,
Filter Option	.01 micron filter (replaceable)*
*Note: Unit also may be operated without filter.	
Weight	
Hand Unit	12 oz. (.341 kg) with 9.5' air hose
Console	1 lb. (.45 kg)
Gas Input & Connection	20—75 psi, CDA or N ₂ , 1/4" male industrial interchange quick disconnect or 1/4" quick release tube fitting
Warranty	1-year limited warranty

The replaceable 0.01 Micron Filter available for the IN6430 assures a clean flow of ionized air. Yearly minimum replacement. More often if in a controlled or dirty environment.



About Transforming Technologies

Since 1998, Transforming Technologies has helped electronic manufacturing facilities to protect their products and processes from the many serious problems associated with static electricity.

Transforming Technologies offers a wide range of unique and outstanding products to detect, protect, eliminate and monitor electrostatic charges. Our products are integral components of an effective static control program.