

## PTEC™ Ionizers IN5140 Bench Top Ionizing Blower

Deliver powerful, balanced and reliable static elimination in a compact, space saving device.

The IN5140 ionizing blower is an efficient static eliminating device that prevents electrostatic damage. Designed to protect most static sensitive devices, the IN5140 uses a specialized piezoceramic technology that makes all the Ptec™ ionizers so reliable.

### Adjustment Limiting Design Locks in Correct Air Flow for Each Application

The IN5140 has a recessed fan adjustment dial which limits the ability to adjust the fan speed of the ionizer. Set the ionizer to the desired settings for your application without worry that someone will change the settings.

### Ptec™ Stability

The IN5140 ionizing blower combines exceptionally fast static decay capability with excellent balance stability, all in a small footprint. Designed to protect most static sensitive devices, the IN5110 uses a specialized piezoceramic technology that makes all the Ptec™ ionizers so reliable.

### Applications:

The IN5140 is designed to neutralize electrostatic charges in personal bench top environments, sensitive materials assembly, SMT, Electronics Assembly, Automotive packaging, clean room and laboratory environments.



### Features

- Inherently Stable Ptec™ Technology That Does Not Require Calibration
- Dense Output of High Frequency AC (68KHz) Ion Emission
- Adjustment Limiting Design locks in Correct Air Flow for Each Application
- Alarm Indicator Alert and Relay for High Voltage Failures
- “Quick-Release” Removable Emitter Points and Fan Grills for Easy Maintenance and Service.

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.

## PTEC™ IN5140 Blower

### Ptec™ Benchtop Ionization

A specialized piezoceramic high voltage transformer drives the technology making Ptec™ ionizers among the most reliable ionizers available. The model IN5140 benchtop static eliminator produces a 68KHz AC output of approximately 2200V and a continuous stream of balanced air ions. Stable, small and lightweight, Ptec™ products detect and alarm if the high voltage output fails. Ionizers that use Ptec™ technology do not require calibration and only minimal maintenance.

### Maintenance Friendly Design

The removable grill, emitter point assembly and the replaceable filter on the IN5140 simplifies emitter maintenance and tool downtime.

Easily clean and replace individual emitter points by removing the assembly with a simple turn.



Model IN5140 Ptec™	Specifications
<b>Power Input</b>	24 VDC, 12W
<b>Power Outlet</b>	un-fused, 0.5A or 1.0A max.
<b>Ion Emission</b>	AC, 68KHz
<b>Balance</b>	±10 volts
<b>Decay Time</b>	1000V—100V, < 2 seconds @ 12"
<b>Temperature</b>	66-78°F (19-25°C)
<b>Humidity</b>	20-60% RH (non-condensing)
<b>Airflow</b>	115 cfm, High speed
<b>Noise Level</b>	60dB(A) (Distance 1 meter)
<b>Indicators</b>	Power: Green LED, Alarm: Red
<b>Controls</b>	On/off switch, variable fan speed
<b>Mounting</b>	Adjustable bracket/stand
<b>Emitter Points</b>	Tungsten Alloy With Removable Assembly
<b>Filter</b>	Replaceable
<b>Dimensions</b>	7.5"H x 7.1"W x 2.7"D, (19.0 x18.0 x 7.6 cm)
<b>Weight</b>	2.8lbs, (1.27kg) (including stand)
<b>Warranty</b>	1-year limited warranty
<b>Certifications</b>	



### IN5140 Decay Performance

Distance	12"	24"	36"
Positive Decay Time (sec)	1.9	2.7	4.1
Negative Decay Time (sec)	2.0	3.1	4.9
Ion Balance (V)	With 0±10V		

**Testing was conducted in compliance with ANSI/ESD S3.1 of the ESD Association. Decay times in seconds.**

### 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.

