

## PTEC™ Ionizers

### AirFLEX IN4200PE Ionizer

#### Pin-Point, Proximity Sensing Ionization

Transforming Technologies' AirFLEX IN4200PE Ionizer with a proximity sensor which controls the static eliminating air flow for easy, hands free precision ionization. The flexible neck allows you to target the air flow directly at the intended surface for optimal static eliminating performance. Airflow is triggered when the sensor detects a nearby object so you can have hands-free ionization only when you need it. The AirFLEX ionizers are valuable because they can be mounted in hard to reach areas that larger ionizers just can not handle.

#### Ptec™ Focused Air Ionization

The AirFLEX ionizer has optional nozzle tip attachments, that can handle unique and difficult point-of-use ionization applications. Spread ionized air in many ways such as wide angle, manifold, long range, angled, or with a flexible extension tube.

#### Ptec™ Stability

The IN4200PE uses Ptec™, a specialized piezoceramic technology, to create a high frequency AC ionizing output with exceptional balance and decay performance. Ionizers that use Ptec™ technology do not require calibration and only minimal maintenance.

#### Applications:

**The IN4200PE 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.

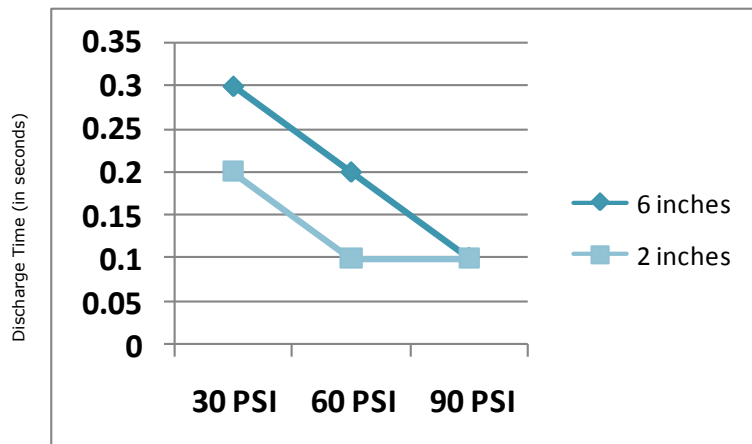


#### Features

- Flexible Neck for Precision Ionization
- Hands Free Operation with Proximity Sensing Photoelectric Eye
- Inherently Stable Ptec™ Technology
- Dense Output of High Frequency AC (68KHz) Ion Emission
- Multiple Nozzle Options For Unique and Difficult Applications

## PTEC™ AirFLEX IN4200PE

### 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.



*Ionizing nozzles can handle unique and difficult point-of-use ionization applications with interchangeable nozzle tips. Choose manifold, wide angle, flexible extension tube and bendable nozzles.*



*The replaceable 0.01 Micron Filter available for the IN4200PE assures a clean flow of ionized air*

### Model IN4200PE

#### Power Input

#### Power Outlet

#### Ion Emission

#### Balance

#### Decay Time

#### Temperature

#### Humidity

#### Air Pressure

#### Indicators

#### Controls

#### Mounting

#### Emitter Points

#### Dimensions

#### Filter Option

\*Note: Unit also may be operated without filter.

#### Weight

#### Gas Input & Connection

#### Warranty

#### Certifications

### Specifications

AC 100V~240V, 50/60Hz

un-fused, 0.5A or 1.0A max.

AC, 68KHz

±30 volts

1000V—100V, < 2 seconds @12"

66-78°F (19-25°C)

20-60% RH (non-condensing)

10—100 PSI, CDA or N<sub>2</sub>

Power: Green LED, Alarm: Red

Photoelectric Eye

Distance: >35cm

Table Mount

Tungsten Alloy

12"H x 5.75"W x 7.25"D,

.01 micron filter (replaceable)\*

2.8 lbs (1.27kg) including stand

20—75 psi, CDA or N<sub>2</sub>, 1/4" male

industrial interchange quick

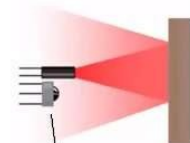
disconnect or 1/4" quick release

tube fitting

1-year limited warranty



No Object Present-  
No IR light detected by sensor



Object Present-  
Reflected IR light detected by sensor

Infrasonic or Infrared Sensor

### 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.