

# Botron B486150 Technical Data Sheet



## Overview:

Botron's B486150 air ionizer is a high frequency unit that provides both reliability and performance. It's light weight and compact design combined with an adjustable blowing angle makes it a versatile bench top application. Standard equipment comes built with an on and off switch along with an auto ion balance and abnormal HV monitoring system.

## Product Notes and Features

- 1) Adjustable Blowing Angle
- 2) Quick Access Clip Design
- 3) Green and Red LED Indicators
- 4) Abnormal HV alarm

## PERFORMANCE

Ion balance +/- 5v

Positive decay times from (sec) 0.9 at 300mm to 2.5 at 900mm

Negative decay times from (sec) 1.1 at 300mm to 3.6 at 900mm

\*All results are based according to EOS/ESD-STM 3.1-2000.

\*Results may vary based on test conditions.

## PROPERTIES

## SPECIFICATIONS

Power supply:	DC24VA
Capacity:	24VA
Output HV:	AC2200V
Air volume:	2.6 - 6.5m <sup>3</sup> /min cfm
Temperature:	68-104F/0-40 C
Humidity:	25-70% RH (no drops)
Ozone:	< 0.007 ppm
Indicators:	Green LED, Red LED
Controls:	Fan speed control, Power On/Off
Mounting:	Adjustable stand/bracket
Emitter:	Tungsten Alloy
Dimensions:	7"H x 18"W x 3.5"D
Weight:	5.5 lbs/2.5kg



## INSTALLATION

1. Install the main unit and the stand. Put the rubber pads between the main unit and the stand, then adjust the angle and tighten the knob bolt. The device can be used on desks, machines or product lines through the mounting holes.
2. Connect the AC adapter output terminal to the main unit, then plug it in to an AC socket.
3. Ground the grounding wire.
4. Corona discharge occurs and a great amount of ions are emitted when the main unit is on. Meanwhile, ion flow is blown off through the front louver. Charged objects in the ionization area will be neutralized in no time.
5. The ion flow is adjustable through the airflow adjusting knob.
6. The device is mounted with an auto ion balance system. No adjustment is necessary.
7. The red alarm indicator light illuminates when the high voltage power supply abnormally output. Turn the power supply off and check the problem, then turn on the power after debugging.
8. Turn power switch off after operation.

## APPLICATIONS

As with all of Botron's ionization units the B486150 is designed to neutralize electrostatic charge in personal bench top environments, sensitive materials assembly, packaging, clean room and laboratories.

## OPERATION

Power on unit and adjust air flow for maximum neutralization.  
Aim unit at the area or items to be neutralized.

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**Disclaimer.** All statements of technical information are believed to be true and are based upon tests we believe to be reliable. The proper use and application for this product must be the responsibility of the user.

The statements herein shall have no force or effect.