

# Botron B486121 Technical Data Sheet



## Overview:

Botron's B486121 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 range from (sec) 0.9 at 1' to 2.8 at 3'

Negative decay times range from (sec) 1.1 at 1' to 3.6 at 3'

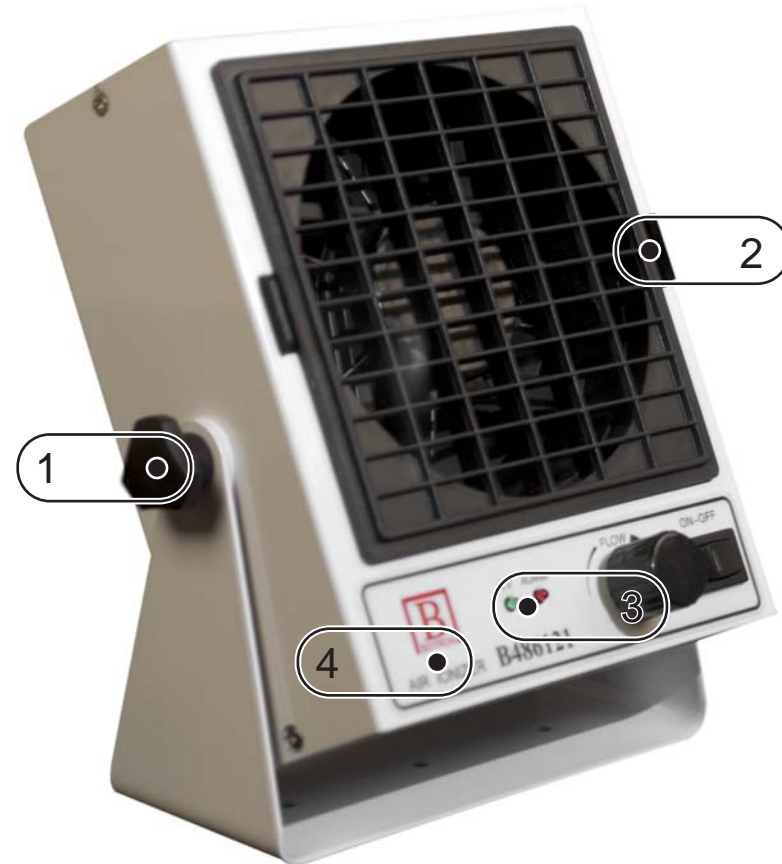
\*All results are based according to EOS/ESD-STM 3.1-2000.

\*Results may vary based on test conditions.

## PROPERTIES

## SPECIFICATIONS

Power supply:	AC100 - 240V 50/60Hz
Current consumption:	12VA
Output HV:	AC2200V - 68KHz
Air volume:	50 – 120 cfm
Noise level:	60dB at 3'
Temperature:	0 – 40 C
Humidity:	20 – 70% RH
Ozone:	< 0.01 ppm
Indicators:	Green LED, Red LED
Controls:	On/Off switch, fan speed knob
Mounting:	Adjustable stand/bracket
Emitter:	Tungsten Alloy
Dimensions:	7.5"H x 7.1"W x 2.7"D
Weight:	2.8 lbs



## APPLICATIONS

As with all of Botron's ionization units the B486121 is designed to neutralize electrostatic charge in personal bench top environments, sensitive materials assembly, packaging, clean room and laboratories.

## INSTALLATION

1. Remove contents from package.
2. Mount the ionizer in desired position. (Bolted or free standing)
3. Make sure there are no obstructions between the target area and ionizer.
4. Install power cord securely.
5. Turn switch on.
6. Adjust air flow accordingly.

## 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.