

# Staticmaster® Alphaboost™ Alphie



TECHNOLOGY  
& LAB

MODEL AB-TC-1B

ALPHA



The Alphaboost Static Control System (ABS) Alphie extends the uses and applications of the ABS by incorporating a stand, allowing more flexibility in laboratory environments where static electricity causes problems such as attraction of particulate to a product or tool.

By using the ABS system, where a deflection voltage from the controller sends pulses to the mounted 2U500 cartridge located on the arm, the ionized air molecules project out, eliminating static. **Alphie provides a flexible, wide range of ionization for environments that are sensitive to propelled air and require more surface coverage to ensure that your sample is stable.**

Unlike corona style ionizers, Alphaboost Alphie does not generate Nano-particles, does not accumulate airborne molecular contamination, does not have emitter points to erode, and does not require frequent cleaning and re-balancing.

Alphie comes complete with one (1) 2U500 Staticmaster ionizing cartridge, one (1) BF3 EZ Mount, one (1) Head, and one (1) Controller; preset for ease of setup and use.

## APPLICATIONS

- Analytical and precision weighing, forensics, optics, glovebox

## FEATURES

- Can power up to four Alphie Arm Kits using the 4-1 Splitter
- Uses Alpha ionization
- Portable design

## BENEFITS

- Particulate-free ionizer
- No air flow
- No emitter points to clean

EVERY SITUATION IS UNIQUE. SO IS EVERY SOLUTION.®

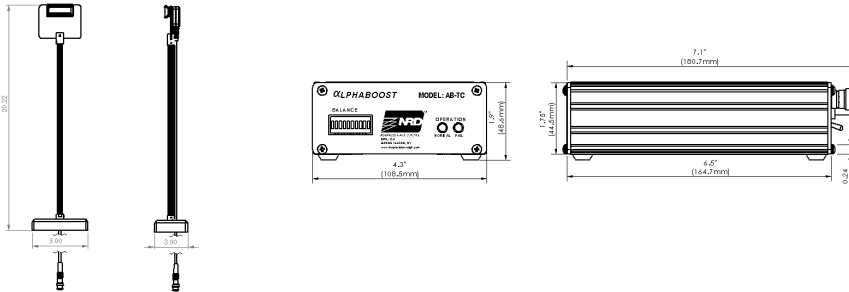


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## SCHEMATICS



## SPECIFICATIONS

**Activity:** (MODEL 2U500): 0.5 mCi (18.5 MBq)

**Balance:** ±0 V

**Dimensions (Controller):** 4.3in W x 1.9in H x 7.1in L (108.5 mm x 48.6 mm x 180.7 mm)

**Dimensions (MODEL BF6):** 3in W x 20.22in H x 5in L (76.2 mm x 513.59 mm x 127 mm)

**Dimensions (MODEL 2U500):** 0.93in W x 0.25in H x 3in L (23.6 mm x 6.4 mm x 76.2 mm)

**Effective Distance:** 1.5 in to 6 in (38.1 mm to 152.4 mm)

**Enclosure (MODEL 2U500):** Stainless Steel housing

**Enclosure (Controller):** Aluminum Alphaboost

**LED Indicators:** Green - Normal; Red - Fail

**Operating Voltage:** 24 V DC

**Power Supply Input Voltage:** 100–240 V AC

**Technology:** Alpha

### DECAY RATE:

<15 seconds (±1000 to 100V), ANSI/ESD Association STM 3.1 @ 6 inches

## ACCESSORIES



**Alphaboost™ 4-1 Splitter (One Alphaboost™ Controller can power up to four Heads using the 4-1 Splitter)**  
MODEL AB-SPL



**Alphaboost™ Single Balance Extender Kit (Includes one Head with a 2-meter cable, one 2U500 ionizing cartridge and one BF3 EZ Mount)**  
MODEL AB-EK



## MAINTENANCE

Product is supplied complete with ionizers. It is necessary to replace ionizers every 12 months to maintain peak effectiveness.

**NOTE ON ION SOURCE:** All NRD ion sources are encapsulated in precious metals by means of a special patented process. This results in a static eliminator which, unlike competitive products, resists oxidation, solvents, heat, cold and vibration. **This device is not serial numbered.**

**NOTICE:** NRD expressly warrants that, for a period of one (1) year from the time of purchase, the ionizer will be free of defects in material (parts) and workmanship (labor). **NRC exempt device in USA.**

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