

Staticmaster® Alphaboost™



TECHNOLOGY
& LAB

MODEL AB-TC-1

ALPHA

The Alphaboost Static Control System (ABS) for analytical balances represents the first departure from conventional static control technology in the last 25 years. Using NRD's unique alpha technology with a deflection voltage from the controller, the ABS completely fills draft shield enclosures with static eliminating ions without airflow.

Alphaboost is ideal for use in critical weighing applications where precise measurement (in the sub-milligram range) is essential. It is the first aftermarket product that provides the ability to ionize the entire draft shield enclosure without the need to mount a bulky power source and controller within the draft shield enclosure.

Unlike corona style ionizers, Alphaboost 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.

The Alphaboost Base Kit come 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, semiconductor, glovebox

FEATURES

- Powers up to four Heads using the 4-1 Splitter
- Uses Alpha ionization
- LED indicators lights

BENEFITS

- Particulate-free ionizer
- Easily mounts to balance
- No emitter points to clean

EVERY SITUATION IS UNIQUE. SO IS EVERY SOLUTION.®

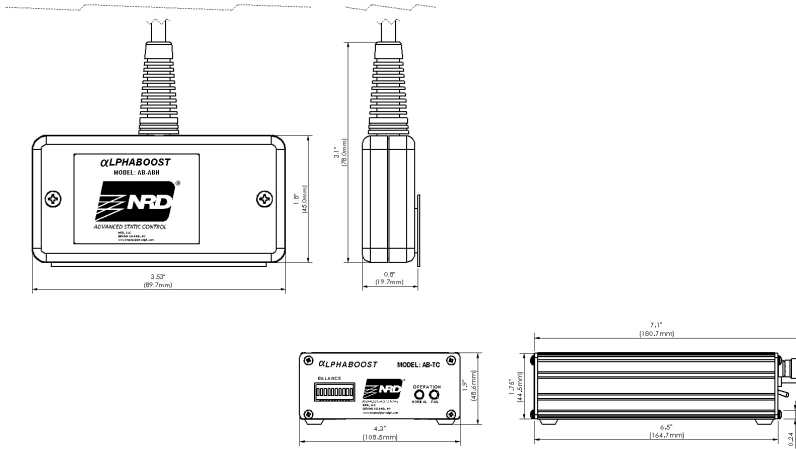


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SCHEMATICS



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 (Head): 1.8in W x 0.8in H x 3.53in L (45 mm x 19.7 mm x 89.7 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)

Enclosure (MODEL 2U500): Stainless Steel housing

Enclosure (Controller): Aluminum Alpha-boost

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



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



Alphaboo™ 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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