AX-ION-25

lonizer

INSTRUCTION MANUAL



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1WMPD4004252A

Introduction

This manual describes outline of the ionizer (AX-ION-25) and how to use it correctly. Please thoroughly read this manual before using the AX-ION-25 and keep it at hand for future reference.

Features 2.

This ionizer eliminate static electricity on the weighing sample by generating bipolar ions from 4 electrode needles.

- □ The ionizer can eliminate static electricity on a charged weighing sample without breeze. A weighing error can be reduced.
- □ AC adaptor is needless because power of the ionizer is supplied from main unit of the balance.
- □ This ionizer can be controlled by using built-in IR sensor, option IR switch (AX-IR-SWITCH).
- Electrode unit is removable. A unit can be cleaned and replaced.

Static electricity

In general, nonconductors such as powder, filter, medicine wrapping paper, plastic etc. easily become electrostatically charged when the ambient humidity is less than 45 %RH. The static electricity may cause weighing error of approximately few mg at weighing. This ionizer can perform static elimination effectively.

Cautions before Use 3.

- Read the following cautions for safety use of the ionizer.
- Operate the ionizer gently because of precision instrument.
- Do not install the following place.

Place getting water, vibration, shock, direct sunshine, Dusty place, air including salt or corrosive gas, a place in flammable gas.

Do not turn on power of the ionizer until the installation is finished. The switch to turn off is not equipped in the ionizer.

4. Specifications	
lon generation method	Direct corona discharge
Effective range of static electricity elimination	Approximately 7 cm or shorter from the electrode needle
Operation temperature and humidity	5 to 40 °C, 85% RH or less (no condensation)
Discharge electrode needle	Tungsten (with a life of approx. 10,000 hours)
Dimensions	68(W)×128(D)×163(H) mm
Mass	Approximately 370 g



How to Use 6.

Connecting to the balance 6.1.

Caution Disconnect the AC adapter before installing the ionizer to the balance.

- 1. Connect the ionizer to the balance using connection cable.
- 2. Connecting the AC adapter of the balance, the power lamp lights up.
- □ The ionizer supports only BA series as of May 2021. Refer the following homepage for the updated information. https://www.aandd.jp

Static elimination 6.2.

- 1. Put the weighing sample into the effective range shown in the figure 1.
- 2. Responding the IR sensor (touchless infrared proximity sensor) on the front panel, option IR switch, the ION lamp lights up and static elimination starts.

Rear

3. Perform static elimination referring to the figure 1. Static elimination process stops automatically in 3 seconds and ION lamp turns off for factory setting. Referring to "7. Optimizing the lonizer", optimize static elimination method and discharging time if the distance between electrode needles and weighing sample is 10 cm or father.



- When switch 1 is selected "Timer mode", static elimination is performed for "Discharging time" set by switch 2.
- #2 Once static elimination has started, it continues until built-in IR sensor or option IR switch responds again when switch 1 is selected

"Manual mode". "Manual mode" does not stop static elimination automatically.