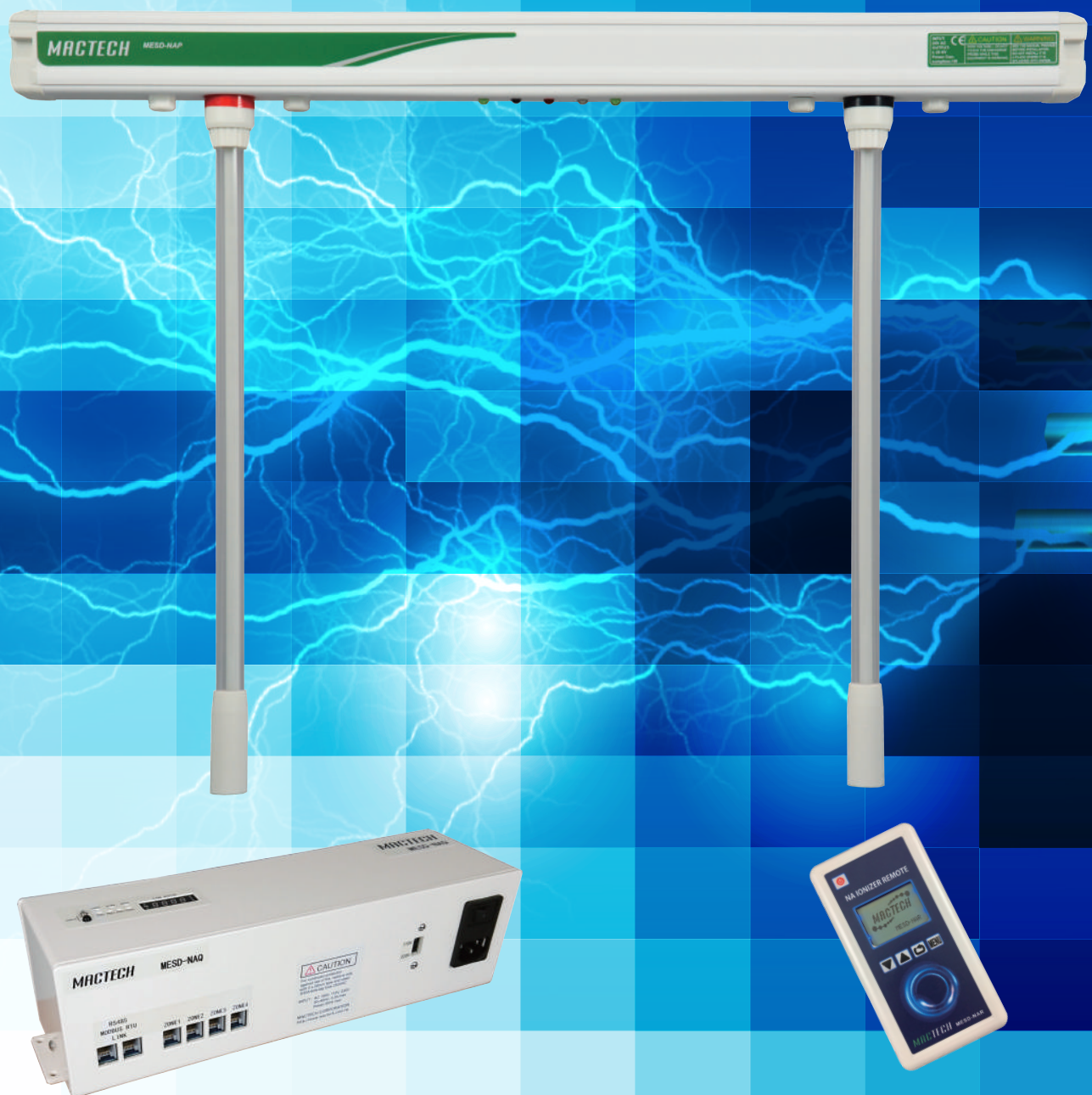




Clean Room Ionizer MESD-NAP

Providing solutions aim to eliminate static electricity issues for customers,
to achieve non-static environment.

- Eliminate static electricity continuously, which is applicable for clean room.
- Ideal choice of constructing static control environment.



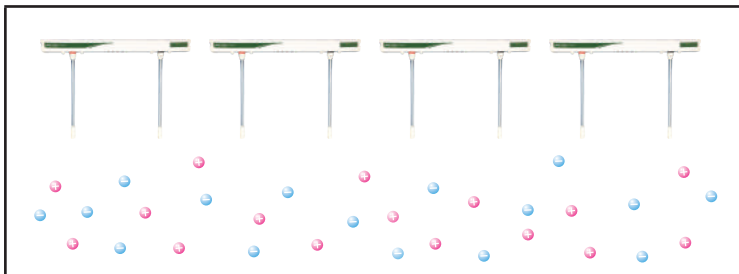
Clean Room Ionizer MESD-NAP



- Unique APC high precision feedback control system, to achieve long-term, high-stability balance.
- Quick released nozzle helps user to replace the electrode probe simply, to reduce the maintenance process, and to save time.
- Reminder for maintaining the electrode probe and predict the declined trend.
- Through connecting with controller could monitor the operation status, save detection and maintenance time.
- Ability to integrate Industry 4.0 perception layer; in addition, it is in charge of transmitting data to the network for prompt monitoring.

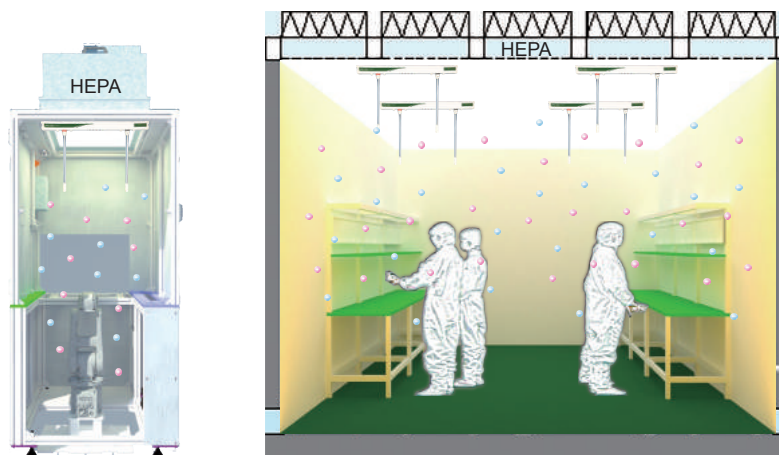
Non-static is available

During seasonal change will be more possible to cause static, and come various defected products and danger. Hence, aims to solve static issue to make equipment stability running. Room type ionizer eliminates static electricity continuously to the entire working space, in order to maintain the static electricity value at low level.



Space without airflow problem

Construct anti-static environment without connecting CDA, and reduce raise dust problem efficiently.



Specifications

Model	MESD-NAP
Input Power	24 VAC, 50/60 Hz, 1W
Output Voltage	0~±20K VDC
Output Current	Lower than 20mA control loop
Setting method	Using remote control MESD-NAR or monitoring software on the PC.
Connector	RJ-11 4P4C
Output Control	Positive and negative ion releasing from the electrode probe and could be independently adjusted. Current-feedback amplifiers with high stability balance.
Period	Min. 0.1s/Max.10s Positive ion and negative ion could be independently adjusted.
Operation Mode	Pulse DC Power、DC steady-state or standby mode
Electrode Probe Material	Titanium、Silicon (Option)
Alarm Function	When the electrode probe fail to the default ion-setting. The LED in the middle of the ionizer turns red. The alarm output of the Controller MESD-NAQ.
Ozone Amount	<0.005ppm
Cleanliness Class	ISO Class 1
External Dimension	445 x 36 x 31 mm
Weight	460g (Without Electrode Probe)
Ambient Temperature	-30~85°C (Interior)
Ambient Humidity	35~65%RH (No condensation)

Optional Accessories

Controller MESD-NAQ

Controller with functions that make users easily to monitor, analyze and predict the status.

- Support the format by the MODBUS RTU protocol, which is widely used in various applications.
- Complete software (option) was created to provide a write-read database server, build a static elimination system and Manufacturing Execution System.
- Connect with the Internet or mobile phone to monitor the whole information.
- Choose the suitable controller according to the demand.



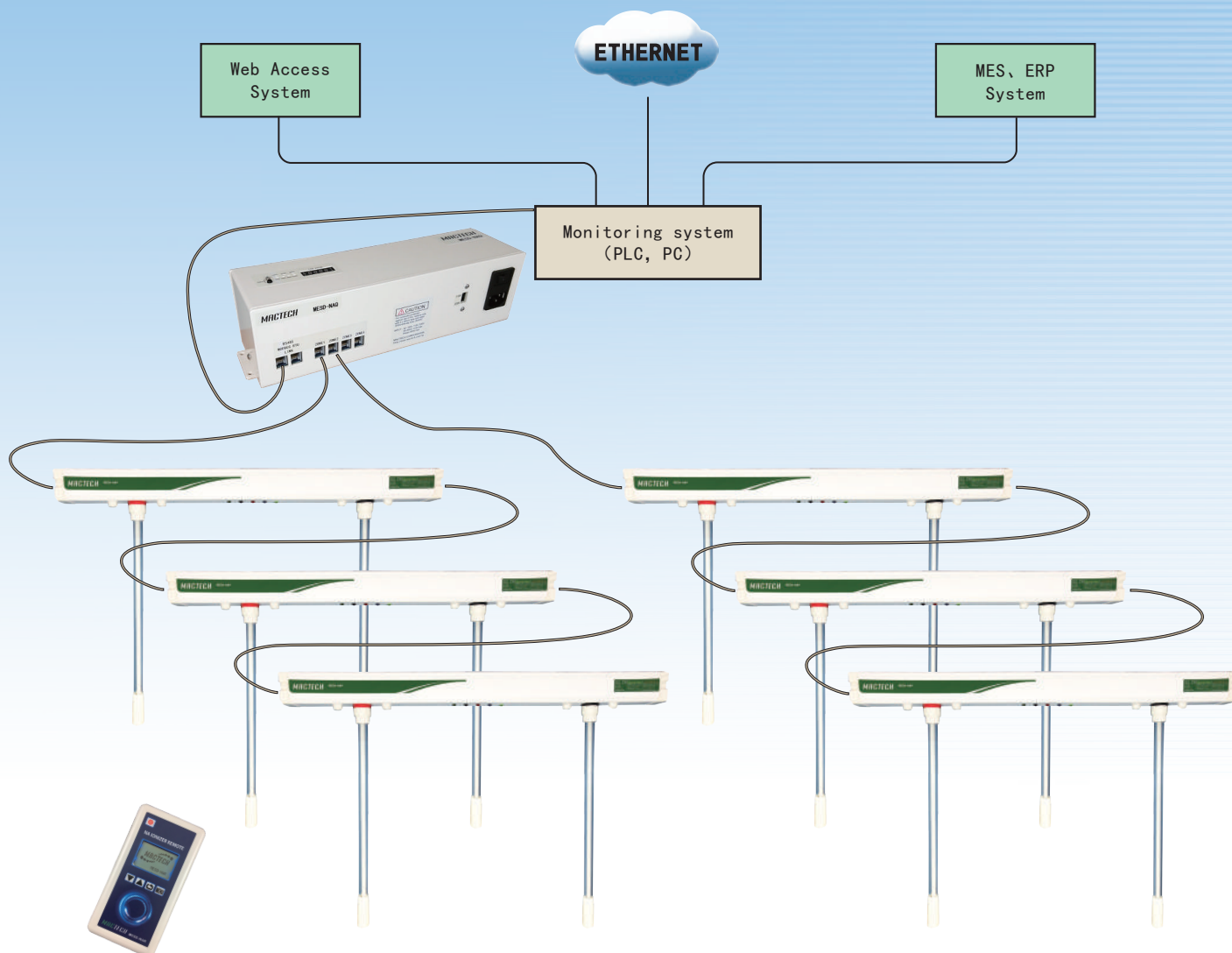
■ Specification

Model	MD-02
Power/Consumption	AC110/220 ±10%
Output voltage	AC24V
Protocol	Modbus RTU (RS485)
Output mode	Relay
Dimension	336 x 92 x 91mm
Weight	MESD-NAQ: 3.0 Kg MESD-NAQ-S: 2.3 Kg

■ Model

MESD-NAQ-S: Connect within 20 sets of the ionizers.
MESD-NAQ: Connect 80 sets of the ionizers.

Static elimination system



Optional Accessories

Remote control MESD-NAR

Control the Ionizer MESD-NAP and the controller MESD-NAQ by the remote control.

- Built-in multiple languages includes English, simplified and traditional Chinese.
- Directly set the Ionizer MESD-NAP and the controller MESD-NAQ.

■ Specifications

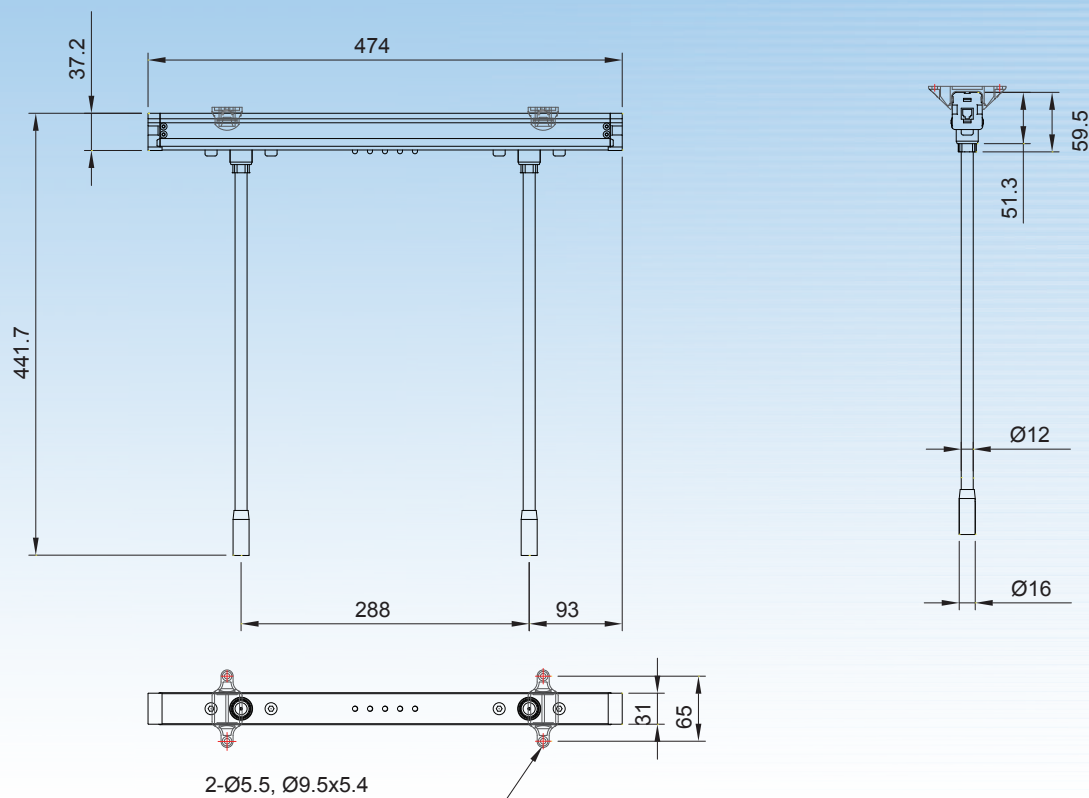
Model	MESD-NAR
Power/Consumption	1.5vAA (UM-3) battery*2
Protocol	Modbus RTU (RS485)
Display	Led monochrome white light
Dimension	130*76*32mm
Weight	340g (Without AA batteries)
Ambient Temperature	-0°C~50°C (Interior)
Ambient Humidity	35~85%RH (No condensation)



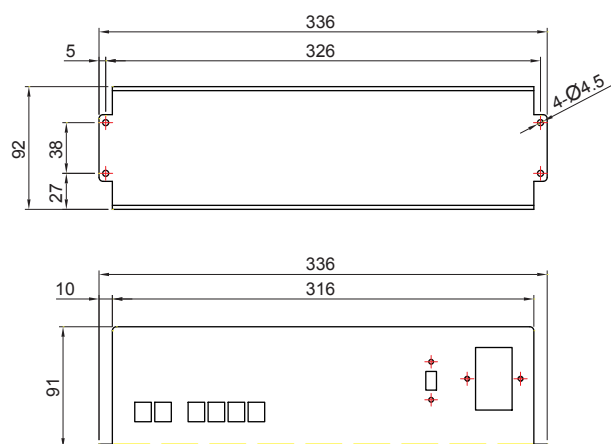
External Dimension

► MESD-NAP

Unit : mm



► MESD-NAQ



► MESD-NAR

