Specification

Charge Plate Monitor_001-0288

01 Product Picture

02 Product Overview

This instrument is fitted with a charge plate (6”*6”) to simulate the positive and negative static electricity and then to blow it on the charge plate through Ionizer, to execute a series of tests: ± decay, balance voltage, balance peak value, and store the test results by test time, check the process test records or export them to computer through USB; evaluate whether the performance of Ionizer is effective based on the decay time and balance voltage. Applicable standard: ANSI/ESD STM 3.1.

03 Product Features

- HD touch screen
- Auto test of decay and balance
- The internal memory can store 50,000 test records (support USB export) and 1,000 process test records for further review
- Support external scanner and manage the QR code of tested equipment
- Digital and graphical interface can be defined in test process
- The internal battery can be used for portable operation (external power supply can also be
- Reserved interface for TCP/IP communication

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04 Equipment List

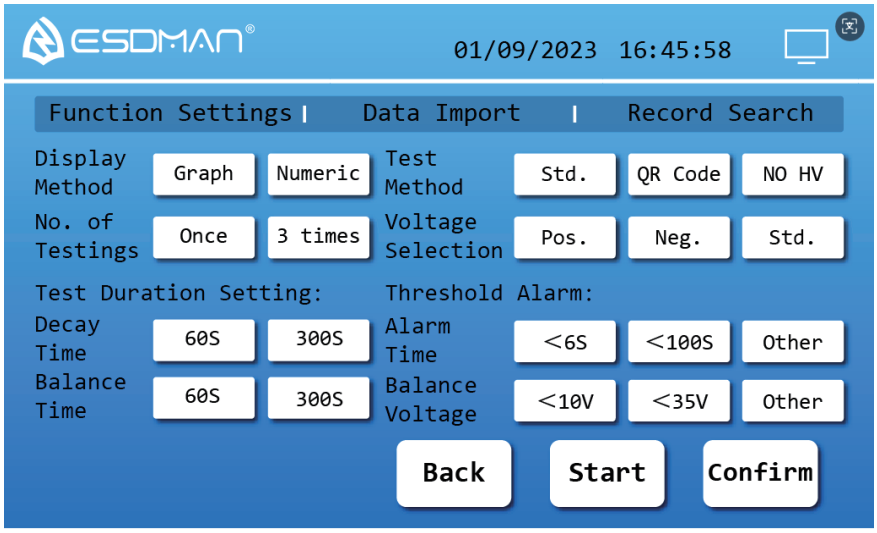
Component	Qty.
CPM Equipment	1 set
Scanner	1 piece
Electrode Handle	1 piece
Connecting Cable & Power Cable	1 piece of each

05 Interface

- USB data export/import interface
- Earth jack
- Electrode handle socket

06 Screen Function Setting

Explain various parameters on screen homepage



- **Function Settings**

  - Display mode

    a. Curve diagram: Display the curve track (coordinate axis X and Y) on LCD screen during the test, and record and display the test results.

    b. Timetable: The LCD screen displays the change of voltage and time in real time, and records and displays the test results.

- Test methods

  a. Common test: Decay test of ±1,000V ~ ±100V.

  b. QR code test: Set the equipment number, register the equipment through QR code which can bind station, department and factory area, etc. Scan the QR code before testing, and the test results are bound to QR code.

  c. Test without voltage rise

  The test process has no decay of 1,000V ~ 100V and no cycle; the voltage and test period are displayed directly.

- Test times

1 time and 3 times are the cycle times in the test process of 1,000V ~ 100V

- Voltage selection

a. Positive voltage: Positive voltage cycle of +1,000V ~ +100V.

b. Negative voltage: Negative voltage cycle of -1,000V ~ -100V.

c. Positive and negative voltage: Positive and negative voltage of ±1,000V ~ ±100V, one cycle respectively.

- Test time setting

a. Dissipation time: The period required for 1,000V ~ 100V voltage decay.

b. Balance time: The period of continuous electrostatic dissipation by Ionizer to the metal plate after voltage decay.

- Alarm display

a. Alarm period: The color of stored data will turn red if the decay time of 1,000V ~ 100V is longer than the set value; the color is unchanged if it is lower than the set value.

b. Balance voltage: During the continuous test period after 1,000V ~100V voltage decay, the data color will turn red if the balance voltage of metal plate is higher than the set value; the color is unchanged if it is lower than the set value.

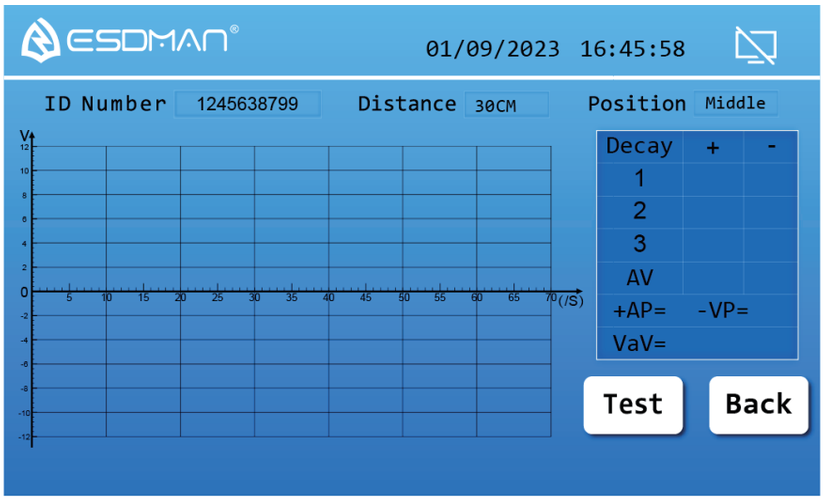
- Click "OK" to save the set parameters, then click "Start" to enter test interface.

- **Test Process**

  - Interface of QR code test + curve diagram

    a. Voltage –Y changes along with time –X.

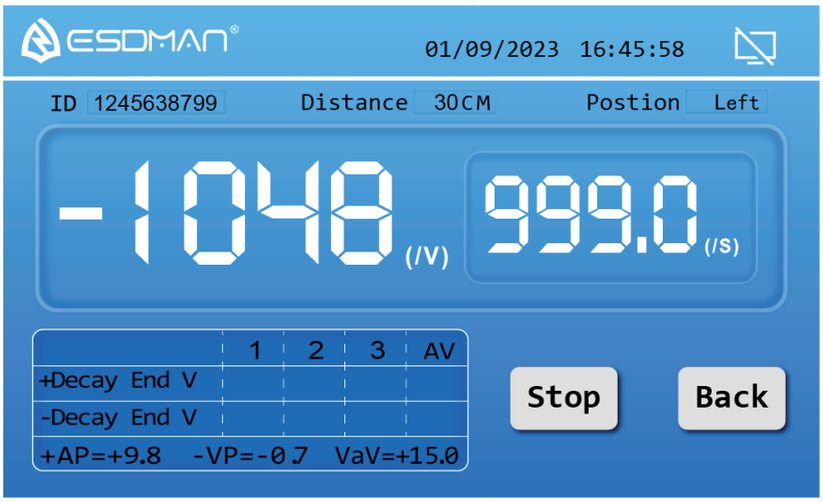
    b. The distance and position of Ionizer from charge plate can be set flexibly.



  - Interface of QR test+timetable

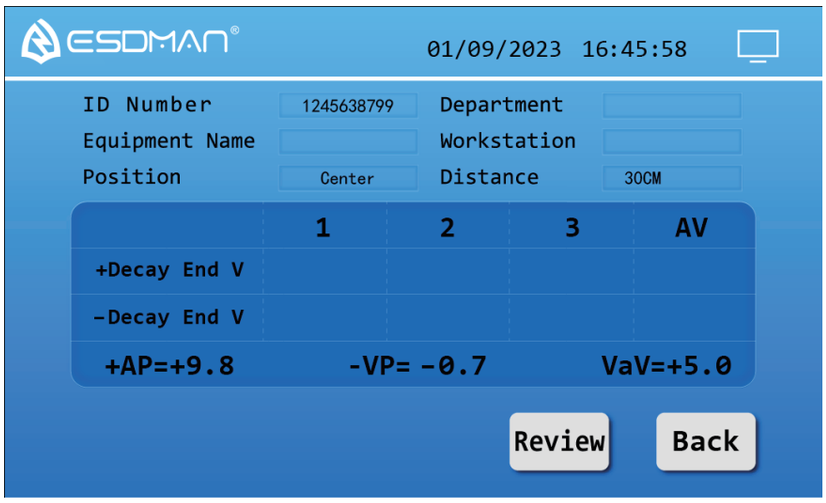
    a. Digital display of real-time voltage and time.

    b. The distance and position of Ionizer from charge plate can be set flexibly.

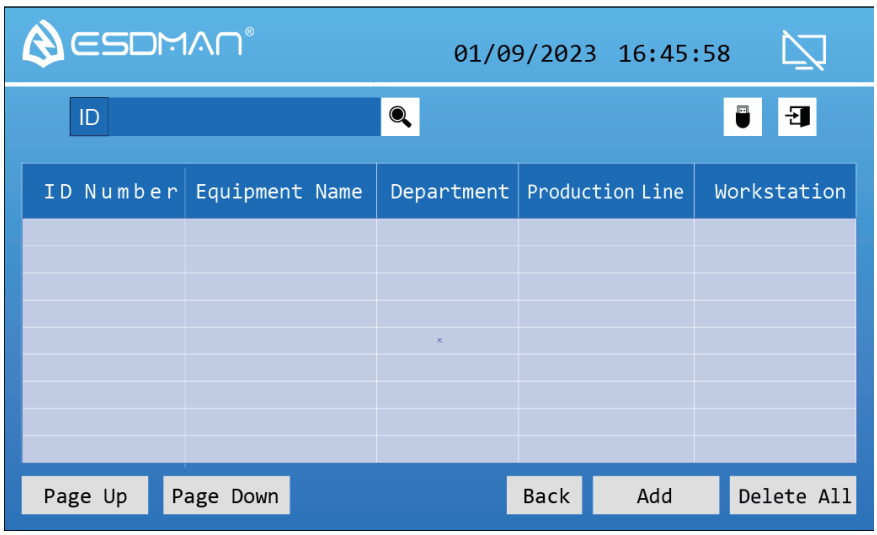


  - Preview interface of test results

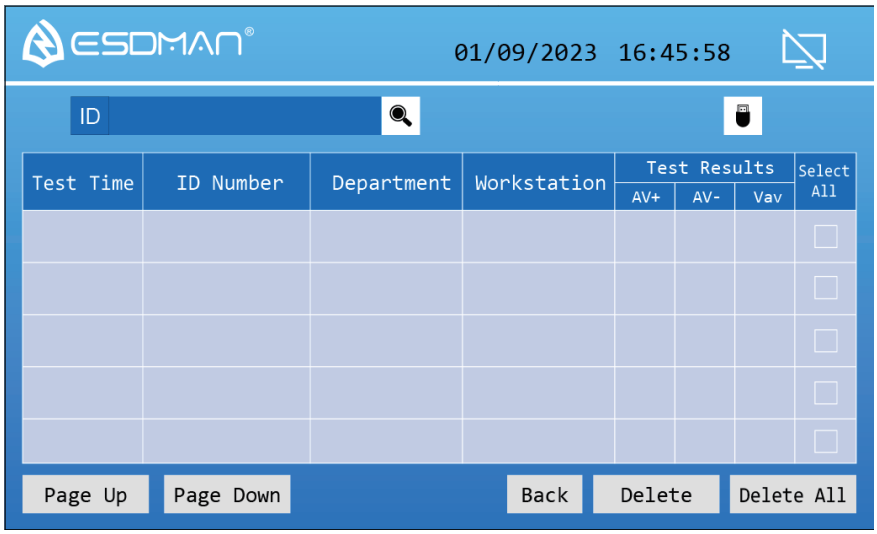
    After test, it will jump to the preview interface of test results automatically and save the test data. It can save 50,000 items of data in total.



- **Data Import**
  - Manual adding
  - Batch import: Insert the USB into the USB interface for batch import, and the import format is the fixed template 5.3.3 Double click the data of single equipment for editing and deleting
  - Batch deletion: Clear all the data



- **Record Query**
  - Deletion and batch deletion of test records
  - Double click single record to view the details of process test records
  - When the test records exceed the preset alarm period and balance voltage, the test records will become red font
  - Batch export: Insert USB into the USB interface to do batch export



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07 System Settings

Press and hold "ESDMAN LOGO" in the homepage, and enter 9109 to enter system settings:

- Language selection: Support Simplified Chinese, Traditional Chinese and English
- Sample Settings
- Test Record Storage Settings
- Single Clearing Quantity

08 Precautions

- Environmental Requirements:

  Working temperature: 5°C~50°C;

  Working humidity: 0~80%RH.

- Operation Safety

  It is forbidden to touch the charge plate directly during the test.

  When the equipment gets water or is affected by moisture, power it off immediately and contact the after-sales personnel.

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