

Charge Plate monitor EA-5J



Hand held Charge plate Monitor!!



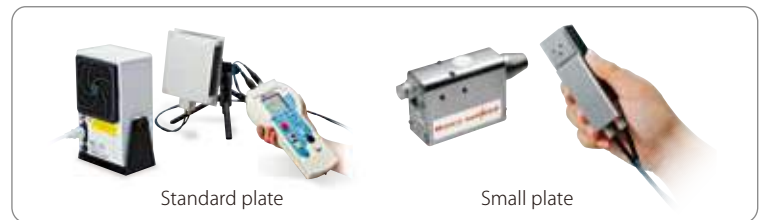
Special features

- Compact, light weight and easy to use operation
- Decay time and Ion balance can be measured with one touch operation.
- 1000 measurement values can be stored.
- Measurement parameters can be selected depends on the type of ionizer.
- Analog output is equipped.
- Standard plate is complied with ANSI/ESD-STM3.1-2000. Small plate helps to measure for the hard to reach place.

Application

- For the evaluation and maintenance of ionizers.
- For the evaluation of ESD static control products.
- For the ESD static control educational purpose.

Examples



Specification

Manual Measurement mode

① Ion Balance measurement mode

Plate Voltage shows the average voltage (Average by which the maximum value and minimum value are excluded from the measured data of every 20 ms)

0.2s : Average data of 8 points sampling data

1s : Average data of 48 points of sampling data

5s : Average data of 248 points of sampling data

10s : Average data of 498 points of sampling data

The setting of measuring time (10sec, 30sec, 60sec)

Peak and valley value of within a setting measuring time will be displayed.

② Decay time measurement mode

Plate Voltage shows the average voltage (Average by which the maximum value and minimum value are excluded from the measured data of every 20 ms)

The display of Decay time (Fast mode: 0.1sec~99.9sec, Slow mode 100sec~300sec.

The setting of measuring time(10sec,30sec,60sec,120sec,300sec)

Each Positive and negative polarity can be measured.

Finish voltage can be changed (5V~100V every 5V steps)

Automatic measurement mode

• Ion Balance measurement :

According to set measuring time, it automatically measures average value, Peak and valley values.

• Decay Time measurement :

It measures positive and negative decay time according to the set measuring time.

• Store the data :

Store the data after finishing the measurement by pressing save button. (1000 values max) Stored data (CSV) can be downloaded through USB (mini B) connector on side.

Display

① LCD Display

- Voltage and Time
- Error message, Battery status
- Bar type indicator for Ion Balance
- Operating mode (Au, Ma, Pc, ib [Ion Balance] ±dE [Decay] ,ERROR

② LED Status indicator

- HV : out Apply the high voltage to the plate
- GND : Plate is grounded
- Each operating buttons lights up for mode indication.
- CHARGE : Charging the battery

■ Body

Type	: EA-5J
Max supply voltage	: ±1200V
Measurement Accuracy	: ±10% ±1digit (Indicated Value)
PC I/F	: USB2.0
Analog out	: Voltage output (Load resistance 20KΩ or more) : Plate Voltage 1V / Output voltage 1mV (0.001V)
External Output terminal	: ①Connector for Plate sensor
	: ②HV supply connector (supply to the plate)
	: ③USB (Mini-B) Transmission of data and battery charge. The battery can be charged by PC or AC/DC adaptor.
	: ④Analog output terminal (monaural mini-jack Φ3.5)
	: ⑤Ground terminal (Banana Jack)
Power Supply	: Built in battery Charged by external AC/DC adaptor or USB port of PC
Operating Time	: Approximately 30 hours
Dimensions	: 117(W)×228(D)×47(H)mm
Weight	: 0.41Kg

■ Standard Plate (CPM-LPS)

Plate Dimensions	: 150mm×150mm×t=0.8mm
Capacitance	: 20pF±2pF
Insulated Resistance	: < 1×10 ¹⁴ Ω
Cable Length	: Combination of Signal cable and HV cable 1.5m
Dimensions	: 160(W)×190(D)×26(H)mm
Weight	: 0.51Kg

■ Small Plate (CPM-SPS)

Plate Dimensions	: 25mm×25mm×t=0.8mm
Capacitance	: 5pF±1pF
Insulated Resistance	: < 1×10 ¹⁴ Ω
Cable Length	: Combination of Signal cable and HV cable 1.5m
Dimensions	: 28(W)×110(D)×22(H)mm
Weight	: 0.24Kg

Simco Japan, Inc.

1-2-4 Minatojima-Nakamachi, Chuo-Ku, Kobe, 650-0046 Japan
TEL : +81-78-303-4651 FAX : +81-78-303-4655
Web : Http://www.simco.co.jp