

# ESD Generator

## 202G / 203G 【Introduction】



The ESD-202G/ESD-203G electrostatic discharge generators are intelligent touchscreen models, featuring mature technology and a separable gun body and main unit for easy portability. With powerful testing functions and excellent discharge characteristics, they provide a reliable basis for users' electromagnetic compatibility testing.

### Compliance Standards

IEC 61000-4-2 IEC 61000-4-2 Ed.2 GB/T 17626.2 ISO 10605 ITU-TK20 IEC/EN 61000-6-1/-2 IEC/EN 61340-3-1 IEC/ EN 61326 GR 1089

### Application Fields

Industrial equipment, power meters, automotive electronics, medical devices, lighting fixtures, communication transmission equipment, audio-visual equipment, low-voltage electrical appliances, electronic components, electric tools, information technology equipment, railway and aerospace electrical appliances, instrumentation, coating processes, connector products.

### Technical Features

- ◆ Complies with the requirements of IEC 61000-4-2 and GB/T 17626.2 standards ;
- ◆ Expandable testing standards for electrostatic discharge of automotive electronics and semiconductor products ;
- ◆ High-contrast color touchscreen interface for easy operation, featuring automatic polarity alternation, voltage ramp testing, test level stepping, and other functions ;
- ◆ Dual independent high-voltage design for positive and negative charges, ensuring precise and reliable performance ;
- ◆ Fully imported high-voltage discharge switch significantly enhances discharge life ;
- ◆ Lioncel's professional anti-interference design ensures more stable equipment operation
- ◆ Built-in IEC standard settings and user storage modes for one-click power-on and testing;
- ◆ Available in both Chinese and English interfaces, with a wide range of power supply options to meet testing needs of users in different regions

## Parameter List

Specification Model	ESD-202G	ESD-203G
Output Voltage	0.1 ~ 20 kV	0.1 ~ 30 kV
Polarity of Output Voltage	Positive / Negative / Automatic Alternation between Positive and Negative	
Standard discharge resistor and capacitor	330 $\Omega$ ±5%/150 PF±10%	
Rise time of discharge current	0.6 ns ~ 1 ns	
Testing Function	Single Shot, Counting, Air Discharge, Contact Discharge IEC Level, Voltage Step-up, User Storage	
Number of discharges	1 ~ 60000 times	
Trigger mode	Automatic 、 Manual	
Discharge Interval	0.05 s ~ 10 s	
Display Interface	Color Touch Screen	
Power Supply	AC 80-305 V 50/60 HZ	