

## Impulse Voltage Simulator

## VSG 335(40BC)



### In Compliance with

- > IEC 61180-1
- > IEC 61180-2
- > IEC 60335-1
- > GB 4706.1

### Introduction

The VSG 335 voltage surge simulator is based on the company's third-generation control platform and is customized and developed as 1.2/50  $\mu$ s according to customer testing needs voltage surge simulator. This product is suitable for the field of pulse withstand voltage testing, mainly used for surge testing of insulation, withstand voltage and other electrical properties of components and units. It can meet the requirements of IEC 61180-1, IEC 61180-2, IEC 60335-1, GB 4706.1 and other standards, and the output voltage can reach 40KV

### Features

- > 5.7 color touch screen;
- > The maximum test voltage can reach 40 kV (different equipment may vary and can be customized according to customer needs);
- > Multiple output impedance options are available (different devices may vary and can be customized according to customer needs);
- > Test object leakage current breakdown alarm function;
- > Real time display of charging voltage;
- > Inserting peak voltage collection and display function;

### Application Areas

- |                    |                               |
|--------------------|-------------------------------|
| > Communication    | > Technology                  |
| > Telecom          | > Military                    |
| > Medical          | > Avionics                    |
| > Broadcast and TV | > New Energy Electrical Power |
| > Railway          | > New Energy Vehicle          |

Technical Parameter	
Test voltage range	4 kV ~ 40 kV, $\pm 10\%$
Front time	1.2 $\mu\text{s} \pm 30\%$
Half peak time	50 $\mu\text{s} \pm 20\%$
Source output impedance	500 ohm (other impedances can be customized)
Polarity	Positive, negative, first positive and then negative
Pulse period	3 s ~ 99 s
Number of tests	1 ~ 10000 times
Trigger Mode	Automatic, manual, external triggering
Voltage display	Real time display of charging voltage and peak voltage

General parameters	
Display screen	5.7 inch TFT touch screen
Working power supply range	AC 110 V/220 V $\pm 10\%$ , 50 Hz/60 Hz $\pm 5\%$ (default AC 220 V 50 Hz in mainland China)
Fuse	6 A
Maximum power consumption	600 W
Failure detection	When it fails, the front panel LCD displays and interrupts the instrument's operation
Instrument working status indication	Front panel LED indication, LCD display
Instrument grounding connection method	Using a flat grounding wire
Chassis size	35U
Instrument weight	Approximately 168 kg
Ambient temperature	15 °C ~ 35 °C
Relative humidity	45% ~ 75%
Atmospheric pressure	86 kPa ~ 106 kPa

Accessories
Test line, power line, fuse, flat grounding wire, inspection report, instruction manual

Optional components
PC control software CoreLab Supports Windows 7, Windows 8, and Windows 10, with convenient use, beautiful and intuitive user interface, and various operational functions and standard test libraries that allow users to easily complete custom testing programs; Test equipment and perform automatic configuration to help users flexibly generate test reports.



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