

## Impulse Voltage Simulator VSG 335 (XXX)



### In Compliance with

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

### Introduction

The VSG 335 (XXX) 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.

### Features

- > 5.7 color touch screen;
- > The maximum test voltage can reach 30 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;

### Application Areas

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

VSG 335(20CAC) Technical Parameter	
Test voltage range	1 kV ~ 20 kV, ±3%
Front time	1.2 μs ± 30%
Half peak time	50 μs ± 20%
Source output impedance	12Ω, 500Ω
Test object breakdown leakage current	300 mA ~ 1200 mA
Polarity	Positive, negative
Pulse period	5 s ~ 99 s
Number of tests	1 ~ 10000 times
Trigger Mode	Automatic, manual, external triggering

VSG 335(30BC) Technical Parameter	
Test voltage range	3 kV ~ 30 kV, ±3%
Front time	1.2 μs ± 30%
Half peak time	50 μs ± 20%
Source output impedance	500Ω
Polarity	Positive, negative
Pulse period	5 s ~ 99 s
Number of tests	1 ~ 10000 times
Trigger Mode	Automatic, manual, external triggering

Selection Guide		
VSG 335 ( <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> )		
Ceiling voltage <sup>①</sup>	Main capacitor <sup>②</sup>	Output Impedance <sup>③</sup>
06: 6 kV	A: 0.2 μF	A: 12 Ω
10: 10 kV	B: 0.13 μF	B: 40 Ω
12: 12 kV	C: 1.0 μF	C: 500 Ω
20: 20 kV		
30: 30 kV		

General parameters	
Display screen	5.7 inch TFT touch screen
Display screen	AC 110 V/220 V ± 10%, 50 Hz/60 Hz ± 5% (default AC 220 V 50 Hz in mainland China)
Display screen	6 A
Maximum power consumption	200 W
Chassis size	19 inch 4U
Instrument weight	Approximately 20 kg
Ambient temperature	15 °C ~ 35 °C
Relative humidity	45% ~ 75%
Atmospheric pressure	86 kPa ~ 106 kPa

Accessories
Three core power cord, instruction manual, testing wire, grounding wire, fuse, short circuit plug

Optional components
PC control software CoreLab
Supporting the Windows XP/7/8/10 operating system, it is easy to use, with a beautiful and intuitive user interface. The various operational functions and standard test libraries enable users to easily complete custom testing programs and help them flexibly produce test reports.



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