



Impulse Voltage Simulator

VSG 335(xxx)

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

Features

- > 5.7 color touch screen
- > Max. test voltage up to 30 kV (can be customized upon requires)
- > Multiple output impedances are available for selection (can be customized upon requires)
- > Test object leakage current breakdown alarm function

Introduction

The VSG 335 (xxx) impulse voltage simulator meets the requirements of IEC 61180-1, IEC 61180-2, IEC 60335-1, GB 4706.1 and other standards. It is customized and developed as 1.2/50 μ 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.

Application Areas



Technical Parameters

VSG 335(20CAC) Technical Parameters

Test Voltage	1 kV ~ 20 kV, $\pm 3\%$
Front Time	1.2 $\mu\text{s} \pm 30\%$
Time to Half Value	50 $\mu\text{s} \pm 20\%$
Source Output Impedance	12 Ω , 500 Ω
Breakdown Leakage Current of EUT	300 mA ~ 1,200 mA
Polarity	Positive, negative
Repetition Time	5 s ~ 99 s
Counter	1 ~ 10,000
Trigger Mode	Automatic, manual, external trigger

VSG 335(30BC) Technical Parameters

Test Voltage	3 kV ~ 30 kV, $\pm 3\%$
Front Time	1.2 $\mu\text{s} \pm 30\%$
Time to Half Value	50 $\mu\text{s} \pm 20\%$
Source Output Impedance	500 Ω
Polarity	Positive, negative
Repetition Time	5 s ~ 99 s
Counter	1 ~ 10,000
Trigger Mode	Automatic, manual, external trigger

General Parameters

Display Screen	5.7-inch TFT touch screen
Working Power	AC 110/220 V, $\pm 10\%$, 50 Hz/60 Hz $\pm 5\%$
Power Consumption	Max. 200 W
Fuse	6 A
Dimension	19-inch/ 4U rack
Weight	Approx. 20 kg
Ambient Temperature	15°C ~ 35°C
Relative Humidity	45% ~ 75%
Atmospheric Pressure	86 kPa ~ 106 kPa

Standard Accessories

Test Cable, Three-core Power Cord, Fuse, Grounding Wire, Shorting Plug, User Manual

Optional Accessories

1	PC Software	Model: Corelab > Support Windows 7/8/10, > Support Ethernet Interface > Support test sequence test, easy to operate, generate & export test report	
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Naming Rules

VSG 335 ()

Maximum Voltage	Main Capacitor	Internal Impedance
06: 6 kV	A: 0.2 μ F	A: 12 Ω
10: 10 kV	B: 0.13 μ F	B: 40 Ω
12: 12 kV	C: 1.0 μ F	C: 500 Ω
20: 20 kV		
30: 30 kV		

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