

Impulse Voltage Simulator

VSG 335 Series

Datasheet



In Compliance with

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

Introduction

The VSG 335 series are designed on the basis of 3^{rd} -generation control platform and capable of generating 1.2/50 μ s impulse according to specific customer requirement. The devices are applicable to the impulse withstand voltage tests, and used mainly in the dielectric tests and withstand voltage tests conducted on components and units in accordance with standard IEC 61180-1, IEC 61180-2, IEC 60335-1 and GB 4706.1.

Features

- > 5.7" color touch screen front panel operation;
- >Test voltage reaches up to 30 kV and supports customization;
- > Source output impedance is available for selection;
- > Alarm function for spark-over current;

Application Areas

> Communication > Inf

> Information Technology

> Telecom

> Military

> Medical

> Aviation

> Broadcast

> New Energy Power

> Railway

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Technical Parameters		
Test Voltage Range	0.5 kV ~12 kV, ±10%	
	1 kV ~20 kV, ±10% 3 kV ~30 kV, ±10%	
Front Time	1.2 µs±30% (30% ~ 90%) *1.67	
Time to half-value	50 μs±20% (origin ~ 50%)	
Internal resistor	12 ohm, 40 ohm, 500 ohm (internal resistor is customizable)	
Spark-over Current	100 mA ~1200 mA	
Output Polarity	Positive, negative, first positive and then negative	
Impulse Period	5 s ~ 99 s	
Number of Tests	1~10000	
Trigger Mode	AUTO/Manual/External trigger	

General Parameters	
Touch Screen	5.7" touch screen
Working Power	AC 110 V/220 V±10%,50 Hz/ 60 Hz, ±5% (Default AC 220 V 50 Hz in mainland China)
Fuse	6 A
Max. Power Consumption	200 W
Dimension	19"/ 4U/ 6U
Weight	Approx. 20 kg
Ambient Temperature	15 °C~35 °C
Relative Humidity	45% ~ 75%
Atmospheric Pressure	86 kPa ~ 106 kPa

Guide for Model No. Selection VSG 335 (□ Maximum Internal Main Voltage Capacitor Impedance A: 0.2 μF Α: 12 Ω 06: 6 kV B: 0.13 μF B: 40 Ω 10: 10 kV C: 1.0 µF C: 500 Ω 12: 12 kV 20: 20 kV 30: 30 kV

Accessories

Three-core Power line, User manual, Test line, Ground line, Fuses, Radiated frequency cable

Option

Corelab control software: support Windows

XP/7/8/10 OS; Easy to operate; Intuitive user interface; predefined standard library and test sequence function; support test report generation.

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