

Impulse Voltage Simulator

VSG 950 Series



- IEC/EN 62368-1
- GB 4943.1

Features

- > 5.7-inch color touchscreen front panel operation
- > Max. open-circuit voltage 30 kV (customizable upon request)
- > Built-in fault alarm function in the control system
- > EUT breakdown leakage current over-limit alarm function

Introduction

The VSG 950 Series Impulse Voltage Simulator comply with IEC/EN 62368-1:2018 and GB 4943.1 standards.

The VSG 950 Series are designed for a wide range of applications, including withstand voltage testing of components, sockets, plugs, and cables; safety testing of audio, video, and similar electronic equipment; transient overvoltage testing of protective relays; and other related industrial applications.

Application Areas



Technical Parameters

Open-Circuit Voltage	0.5 kV ~ 12 kV, $\pm 3\%$ ± 35 V 1 kV ~ 20 kV, $\pm 3\%$ 3 kV ~ 30 kV, $\pm 3\%$ (Special voltage levels can be customized.)
Open-Circuit Voltage Waveform	Front Time: $1.2 \mu\text{s} \pm 30\%$ Time to Half-Value: $50 \mu\text{s} \pm 20\%$
Energy Storage Capacitor	1 μF (output impedance: 38Ω) 1 nF (output impedance: $1,000 \Omega$)
EUT Breakdown Leakage Current	100 mA ~ 1,200 mA
Output Polarity	Positive, negative, alternative
Pulse Period	5 s ~ 99 s
Trigger Mode	Automatic, Manual, External Trigger
Counter	1 ~ 10,000
Note: According to IECEN 62368-1, the 1 nF/1,000 Ω impulse withstand voltage test has no requirements for front time or time to half-value.	

General Parameters

Display Screen	5.7" TFT touchscreen
Working Voltage	AC 220 V, $\pm 10\%$, 50/60 Hz $\pm 5\%$
Fuse	6 A
Max. Power Consumption	200 W
Dimension	4U rack, 450 (W)*190 (H)*620 (D) mm
Weight	Approx. 30 kg
Ambient Temperature	$15^{\circ}\text{C} \sim 35^{\circ}\text{C}$
Relative Humidity	45% ~ 75%
Atmospheric Pressure	86 kPa ~ 106 kPa

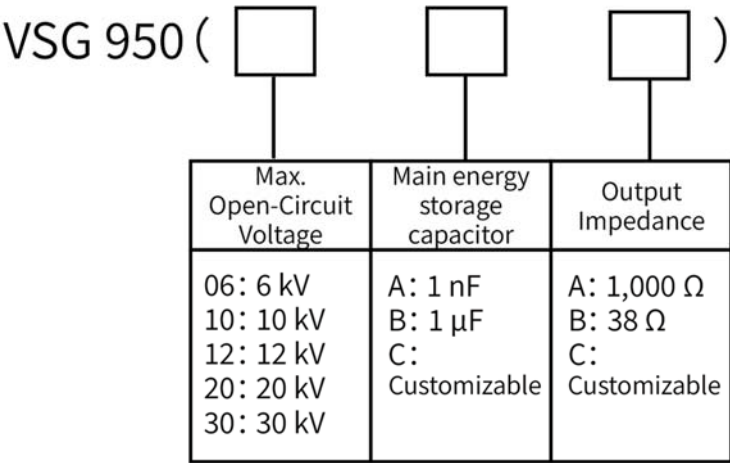
Standard Accessories

Power Cord, Test Cable, Grounding Wire, Fuse, User Manual

Optional Accessories

1	Immunity Test Software	Model: Corelab > Support Windows 7/8/10 > Supports Ethernet and serial communication interfaces > Support sequence test, easy to operate, generate and export test report.	
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Naming Rules



Standard combination of the capacitor and output impedance: AA、BB

SUZHOU 3CTEST ELECTRONIC CO., LTD.

Address: No. 99 E'meishan Road, SND, Suzhou, Jiangsu Province, China
E-mail: globalsales@3ctest.cn
Service: service@3ctest.cn
Tel: +86 - 512 - 68077192
Web: www.3ctest.com



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