



Impulse Voltage Generator

VSG 950 Series

- IEC 60950-1
- IEC 60065
- GB 8898

— Features

- > 5.7 inch color touch screen front panel;
- > Test voltage reaches up to 30 kV and supports customization;
- > Built-in warning and control system;
- > EUT breakdown alarming function;
- > Superior quality, ideal substitute for imported similar products.

— Introduction

The voltage surge simulator series products meet the testing needs of the following products and industries:

1. Test the voltage resistance of components, sockets, plugs, cables, and many other devices;
2. Test the safety of audio, video, and similar electronic devices;
3. Test the instantaneous overvoltage capability of the protective relay;
4. Others.

— Application Areas



Technical Parameters

Test Voltage	0.5 kV ~12 kV, $\pm 10\%$ 1 kV ~20 kV, $\pm 10\%$ 3 kV ~30 kV, $\pm 10\%$ Other voltage range is customized.
Waveform	Front time: $1.2 \mu\text{s} \pm 30\%$ (30% ~ 90%) *1.67 Time to half-value: $50 \mu\text{s} \pm 20\%$ (origin ~ 50%)
Waveform Shaping Capacitor	1 μF or 1 nF (see selection guide)
Internal Resistance	40 $\Omega \pm 10\%$ or 1000 $\Omega \pm 10\%$
EUT Breakdown Alarming Current	300 mA ~ 1,200 mA
Output Polarity	Positive, negative, first positive and then negative
Pulse Period	5 s ~ 99 s
Triggering Mode	External / automatic / manual
No. Of Pulses	1 ~ 10,000
<p>Note: According to the requirements of IEC 60950, 1 nF/1000 Ω pulse withstand voltage has no wavefront time and half peak time requirements</p>	

General Parameters

Display	5.7 inch TFT touch screen
Power supply	AC 110 V / 220 V, 50 / 60 Hz
Fuse	6 A
Max Power	200 W
Operating Temp.	15°C ~ 35°C
Operating Humidity	45% ~ 75%
Operating Air Pressure	86 kPa ~ 106 kPa
Dimension	19", 4U/6U
Weight	Approx. 30 kg

Standard Accessories

1 host, Instruction Manual, Inspection Report, Test cable, Power Cord, Fuse

Option

Corelab control software: support Windows XP/7/8/10/11 OS; Easy to operate; Intuitive user interface; predefined standard library and test sequence function; support test report generation

Guide for Model

VSG 950 ()

Maximum Voltage	Main Capacitor	Internal Impedance
06: 6 kV	A: 1 nF	A: 1000 Ω
10: 10 kV	B: 1 μ F	B: 40 Ω
12: 12 kV	C: Customized	C: Customized
20: 20 kV		
30: 30 kV		

AA and BB are standard configuration for main capacitor and internal impedance.

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