



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, ±10%		
	1 kV ~20 kV, ±10%		
	3 kV ~30 kV, ±10%		
	Other voltage range is customized.		
Waveform	Front time: 1.2 µs±30% (30% ~ 90%) *1.67		
	Time to half-value: 50 μs±20% (origin ~ 50%)		
Waveform Shaping	1 μF or 1 nF (see selection guide)		
Capacitor			
Internal Resistance	40 Ω ±10% or 1000 Ω±10%		
EUT Breakdown	300 mA ~ 1,200 mA		
Alarming Current			
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		
Note: According to the requirements of IEC 60950, 1 nF/1000 Ω pulse			
withstand voltage has no wavefront time and half peak time requirements			

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℃ ~ 35℃		
Operating Humidity	45% ~ 75%		
Operating Air Pressure	86 kPa ~ 106 kPa		
Dimension	19", 4U/6U		
Weight	Approx. 30 kg		

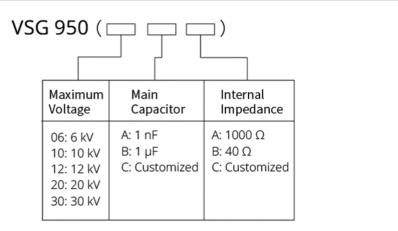
Standard Accessories

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



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

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Datasheet revision history of Impulse Voltage (Voltage Surge) Generator				
Date	Version	Personal	Content	
2019.01.31	V1.0		New product launch	
2019.03.20	V1.1	He MengMeng	Update single page images	
2021.07.06	V1.2	Gao NaNa	Update some parameters and add selection guidelines	
2024.06.04	V1.3	Zhang JiaXi	Add requirements for 1 nF/1000 Ω pulse withstand voltage without wavefront time and half peak time according to IEC 60950	