



Voltage Surge Simulator

VSG 2000(500 Ω /0.2 μ F)

- IEC 61180
- GB/T 17627

Features

- > 5.7 inches color touch screen
- > Max. pulse voltage 20 kV
- > Support text sequence function
- > DUT leakage current breakdown alarm function

Introduction

The VSG 2000 is a voltage surge simulator complies with IEC 61180 and GB/T 17627. It is used for insulation withstand voltage and surge tests of components and units.

The VSG 2000 generates 1.2/50 μ s voltage surge waveforms. Its Max. pulse voltage is 20 kV, and output impedance is 500 Ω .

Application Areas



Technical Parameters

Test Voltage	0.5 kV ~ 20 kV, $\pm 3\%$ ± 35 V
Waveform Parameters (Open-circuit Voltage)	Front time: $1.2 \mu\text{s} \pm 30\%$ Duration time: $50 \mu\text{s} \pm 20\%$
Output Impedance	500 Ω
Voltage Resolution	1 V
Polarity	Positive, negative, alternative
Burst Period	5 s ~ 99 s (Min. interval depends on test voltage)
Counter	1 ~ 10,000
Trigger Mode	Auto, manual, external trigger
Test Mode	Support text sequence function
Voltage Display	Display of charging voltage
DUT Breakdown Leakage Current	100 mA ~ 1,200 mA

General Parameters

Working Voltage	AC 100 V ~ 264 V, $\pm 10\%$, 47 Hz ~ 63 Hz
Fuse	6 A
Max. Power Consumption	300 W
Communication Mode	Ethernet Lan (RJ45 interface)
Working Status Indication	LED indication and LCD display in front panel
Grounding Mode	Flat grounding wire
Dimension	6U rack, 450(W)*280(H)*620(D)mm
Weight	Approx. 30 kg
Ambient Temperature	15°C ~ 35°C
Relative Humidity	45% ~ 75%
Atmospheric Pressure	86 kPa ~ 106 kPa

Standard Accessories

Power Cord, User Manual, Test Cables, Grounding Wire, Fuse, Coaxial Cables

Optional Accessories

1	PC Control Software	Model: Corelab Compatible with Windows 7/8/10/11. It features user-friendly operation with an elegant and intuitive interface. Equipped with comprehensive operation functions and standard test libraries. 
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