

## VSG series voltage impulse simulator



### As per

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|--------------|----------------|
| > IEC 60060  | > GB/T 17627.1 |
| > IEC 61181  | > GB 7251.1    |
| > IEC 255-5  | > GB/T 16916.1 |
| > IEC 384-14 | > GB/T 14598.3 |
| > IEC 664    | > GB/T 14048.1 |

### Description

Voltage impulse simulator can meet the following test requirements:

1. Test withstand voltage capacity of components, socket, plug, cables and other devices;
2. Test safety of audio, video and similar electronic devices;
3. Test instant over voltage capacity of protection relay;
4. Others

VSG series:

1. VSG series products include: VSG 1200 (0.5KV-12KV), VSG 2000 (0.5KV-20KV) ;
2. Internal resistance: 0.5KΩ;
3. Meet automatic test requirements.

### Features

- > 5.7 inch color touch screen front panel operation
- > ultra-compact simulator up to 20kV
- > internal failure warning message
- > LAN Ethernet port for remote control

### Industries

- |                 |              |
|-----------------|--------------|
| > Communication | > Technology |
| > Telecom       | > Military   |
| > Medical       | > Avionics   |
| > Broadcast     | > New energy |
| > Railway       |              |

General data	
Display screen	5.7 inch TFT touch screen
Power supply	AC 110V/220V±10%, 50/60Hz±5% (default AC 220V 50Hz)
Fuse	6A
Max. Power consumption	200W
Communication mode	Ethernet LAN、RJ45
Auxiliary port	D-sub 25p
External trigger input	BNC,5V TTL
CRO trigger output	BNC,5V TTL
Input	BNC,5V TTL
Warning LED	0-220VAC 10A/0-48VDC 3A Depending on external signal lamp
Safety circuit	Test only can be started when it is closed
Working indicator	LED, LCD front panel display
Grounding connection	Flat ground line
Size	19 inch/4U/6U (according to model)
Weight	Approx. 15Kg/30Kg
Temperature	15-35°C
Humidity	45% - 75%
Air pressure	86kPa – 106kPa

Technical parameters	
Test voltage	12KV, 20 KV±10% ( special voltage level can be customized )
Voltage waveform	Front time: 1.2μs±30% Time to half value: 50μs±20%
Internal resistance	0.5KΩ
Output polarity	+/-/alternative
Pulse cycle	5s-99s
Trigger mode	Automatic, manual and external
Number of test	1-10000
Basic equipments	
Simulator, user manual, test report, test cable, power cord, fuse	
Optional accessory	
PC control software EMSLab With PC installed WIN XP and WIN7, it can be easily operated to make the measurement, based on the customized test program. It can identify any device with automatic configuration. It can easily generate test reports.	



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