



Impulse Voltage Simulator

VSG 255 Series

- EN 60255-5
- IEC 60255-5
- IEC 60747-5
- IEC 62052-11
- GB/T 14598.3
- EN 60255-27
- IEC 60255-27
- IEC 61180-1
- GB/T 16916.1
- GB/T 17627.1

Features

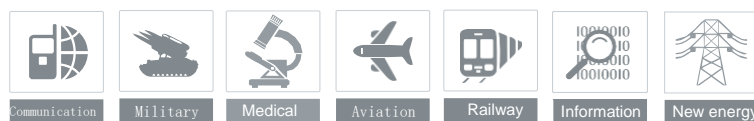
- > 5.7-inch color touch screen front panel operation;
- > Ultra small simulator capable of up to 12 kV;
- > The control system has a built-in error alarm prompt function;
- > Test sample breakdown alarm function;
- > Fully meet the needs of enterprises, institutions, and testing institutions for relevant anti-interference testing equipment, and can completely replace imports.

Introduction

The VSG 255 series voltage surge simulator adopts a third-generation control platform design, mainly used for surge testing of insulation, surface flashover, withstand voltage and other electrical properties of components and units. It can meet the requirements of IEC 60255, IEC 61036 and other standards. The energy storage capacity is fixed at 0.5J at voltage levels such as 0.5kV, 1kV, 1.5kV, 2.5kV, 4kV, 5kV, 6kV, 8kV, 10kV, 12kV, and the output impedance is 500 Ω .

VSG 255 series instruments: VSG 255-6 (0.5kV -6kV), VSG 255-12 (6.0kV -12.0kV)
VSG 255-12(0.5kV -12.0kV)。

Application Areas



Technical Parameters

VSG 255-6(0.5kV -6kV)	
Test Voltage Range	0.5 kV 、 1 kV、 1.5 kV、 2.5 kV、 4 kV、 5 kV、 6 kV $\pm 10\%$
Waveform Parameters	1.2 us $\pm 30\%$ 、 50 us $\pm 20\%$
Energy Storage	0.5 J $\pm 10\%$
Series Output Impedance	500 $\Omega \pm 5\%$
Output Polarity	Positive and negative
Trigger	External, automatic, manual
Set the Number of Pulses	1 - 10000
Failure Detection	Built-in
Test Sample Breakdown Detection	Built-in
VSG 255-12(6kV -12kV)	
Test Voltage Range	6 kV, 8 kV, 10 kV, 12 kV $\pm 10\%$
Waveform Parameters	1.2 us $\pm 30\%$ 、 50 us $\pm 20\%$
Energy Storage	0.5 J $\pm 10\%$
Series Output Impedance	500 $\Omega \pm 5\%$
Output Polarity	Positive and negative
Trigger	External, automatic, manual
Set the Number of Pulses	1 - 10000
Failure Detection	Built-in
Test Sample Breakdown Detection	Built-in
VSG 255-12(0.5kV -12kV)	
Test Voltage Range	0.5 kV 、 1 kV、 1.5 kV、 2.5 kV、 4 kV、 5 kV 、 6 kV, 8 kV, 10 kV, 12 kV $\pm 10\%$
Waveform Parameters	1.2 us $\pm 30\%$ 、 50 us $\pm 20\%$
Energy Storage	0.5 J $\pm 10\%$
Series Output Impedance	500 $\Omega \pm 5\%$
Output Polarity	Positive and negative
Trigger	External, automatic, manual
Set the Number of Pulses	1 - 10000
Failure Detection	Built-in
Test Sample Breakdown Detection	Built-in
Note: VSG 255-12 (0.5kV -12kV) consists of VSG 255-6 (0.5kV -6kV), VSG 255-12 (6kV -12kV), and EMS-22U (0.5-12kV VSG 255 cabinet)	

General Parameters

Display	5.7-inch TFT touch screen
Scope of Working Power Supply	AC 110 V/220 V, $\pm 10\%$, 50 Hz/60 Hz (default AC 220 V in Chinese Mainland)
Fuse	6 A
Maximum Power Consumption	200 W
Chassis Size	6U chassis (450 mm * 280 mm * 620 mm) Depending on the specific model of instrument
Instrument Weight	About 20 kg
Ambient Temperature	15°C~35°C
Relative Humidity	45%~75%
Atmospheric Pressure	86 kPa~106 kPa

Standard Accessories

Power Cord, Instruction Manual, Test Wire, Grounding Wire, Fuse.

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