

Combination Wave Lightning Surge Simulator

CWS 600G



In Compliance with

- > IEC 61000-4-5
- > IEC 61643-1
- > GB/T 17626.5
- > GB/T 16927.1
- > ITU-T K.21
- > ITU-T K.44

Introduction

Lightning surge simulator CWS 600G is generated during thundering weathers or opening/closing of electrical switches, which can bring adverse effects on all types of electrical equipment and devices that are directly or indirectly connected, as per IEC/EN 61000-4-5 and GB/T 17626.5 standards.

Voltage can be reach 6 kV, operate simply and scheduled test.

Features

- > 5.7-inch colorful touch screen;
- > Voltage can reach 6 kV;
- > Generate 1.2/50µs and 8/20µs high voltage pulse waveforms;
- > Source impedance for 2 ohm;
- > Detection of peak voltage / current, displayed on LCD;
- > Test sequencing and scheduling, easy test setting;
- > equipped External three-phase coupling /decoupling network;

Application Areas

- | | |
|----------------|--------------------------|
| >Communication | > Information technology |
| > Telecom | > Military |
| > Medical | > Aviation |
| > Radio and TV | > New energy power |
| > Railway | > New energy vehicle |

Technical Parameters	
Test Voltage Range	0.3 V ~ 600 V $\pm 10\%$
Voltage Waveform	Front time: 1.2 μ s $\pm 30\%$; pulse width: 50 μ s $\pm 20\%$
Test Current Range	0.15 A ~ 300 A $\pm 10\%$
Current Waveform	Front time: 8 μ s $\pm 30\%$; pulse width: 20 μ s $\pm 20\%$
Source Impedance	2 ohm
Output Polarity	+, -, +/-
Pulse Period	6 s ~ 99 s (the min. depends on the test voltage)
No. Of Tests	1 ~ 999
Peak voltage monitor	BNC output : 1000 V:1 V; LCD display
Peak current monitor	BNC output : 500 A:1 V; LCD display
Triggering Method	Automatic / manual / external triggering
Test mode	Test parameter scheduling setting

General Parameters	
Display	5.7-inch colorful touch screen
Operating Power Supply	AC 110 V / 220 V $\pm 10\%$, 50 Hz / 60 Hz (AC 220 V in China)
Fuse	6 A
Max Power	200 W
Communication Method	Ethernet and RJ 45
Operating State Indicators	Front panel LED, LCD
Malfunction Detection	Malfunctions will be shown on LCD while the operation will be stopped.
Dimension	19-inch/ 6 U
Weight	Approx. 40 kg
Operating Temp.	15°C ~ 35°C
Operating Humidity	45% ~ 75%
Operating Air Pressure	86kPa ~ 106kPa

Standard Accessories
Power line, Test lines, Ground line, User manual , Coaxial cable, Fuses

Optional Accessories
External coupling/decoupling network SPN series: SPN 22xxS (single phase 220 V 32/100/300 A) SPN 38xxT (three-phase 380 V 32/100/300 A); SPN 69xxT (three-phase 690 V 32/100/300 A)
Isolation transformer DG-4.4 kVA
Differential probe VCF-80 (Attenuation 1000:1)
Broadband current monitoring pliers : CM 0220M Attenuation : 0.01 V/A;
PC software: Corelab With PC installed WIN 7, WIN 8 and WIN 10, 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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