

Combination Wave Lightning Surge Simulator

CWS 60G



In Compliance with

>IEC/EN 61000-4-5

>GB/T 17626.5

Introduction

Lightning surge 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.

Combination wave surge simulator CWS 60G is designed to perform the lightning surge immunity tests in compliance with standards of CE, CCC etc.

Features

- > 5.7-inch colorful touch screen;
- > Malfunction detection;
- > High capacity, up to 600 V, 300 A;
- > Source impedance for 2 ohm;
- > Detection of peak voltage / current, displayed on LCD;
- > Test sequencing and scheduling, easy test setting;
- > Ethernet RJ 45 interface for PC remote control and test report printing;

Application Areas

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

Technical Parameters	
Test Voltage Range	3 V ~ 600 V $\pm 10\%$
Voltage Waveform	Front time: 1.2 μ s $\pm 30\%$; Time to half-value: 50 μ s $\pm 20\%$
Test Current Range	1.5 A ~ 300 A $\pm 10\%$
Current Waveform	Front time: 8 μ s $\pm 20\%$; Time to half-value: 20 μ s $\pm 20\%$
Source Impedance	2 ohm
Output Polarity	+, -, +/-
Pulse Period	1 s ~ 9999 s (the min. depends on the test voltage)
No. Of Tests	1 ~ 9999
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/ 4 U
Weight	Approx. 30 kg
Operating Temp.	15°C ~ 35°C
Operating Humidity	45% ~ 75%
Operating Air Pressure	86kPa ~ 106kPa

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

Optional Accessories
External coupling/decoupling network SPN series: Need to be customized;
Broadband current monitoring pliers :
CM 0220M Attenuation : 0.01 V/A;
CM 0103M 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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