

## Communication surge immunity tester

### CWS 2000C & CWS 2000T



#### In Compliance with

- > IEC 61000-4-5
- > IEC 61643-1
- > GB/T 17626.5
- > GB/T 16927.1
- > TB/T 3498
- > TB/T 3027

#### Introduction

CWS 2000C & CWS 2000T communication surge immunity tester is a high testing equipment specially designed to simulate surge pulse interference. CWS 2000T can generate high voltage pulse waveforms of 10/700 $\mu$ s and 5/320 $\mu$ s, meeting the requirements of IEC 61000-4-5 and other standards.

The performance of CWS 2000C & CWS 2000T fully meets the requirements of EU CE certification and CCC certification for the immunity test of the tested equipment.

#### Features

- > 5.7-inch colorful touch screen;
- > Voltage can reach 20 kV;
- > As per IEC 61000-4-5 and GB/T 17626.5;
- > Display peak voltage / current on LCD;
- > Test sequencing and scheduling, easy test setting;

#### Application Areas

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

Instrument introduction	
CWS 2000C	Communication surge immunity tester control
CWS 2000T	10/700µs&5/320µs communication surge generator

Technical Parameters	
Test Voltage Range	0.5 kV ~ 20 kV ±10%
Voltage Waveform	Front time: 10µs ±30%; Pulse width: 700µs ±20%
Test Current Range	12.5 A ~ 500 A ±10%(40 ohm)
Current Waveform	Front time: 5µs ±20%; Pulse width: 320µs ±20%
Source Impedance	15 ohm, and 40 ohm to select
Output Polarity	+, -, +/-
Pulse Period	11 s ~ 180 s (the min. depends on the test voltage)
No. Of Tests	1 ~ 999
Peak voltage monitor	BNC output : 2000 V:1 V; LCD display
Peak current monitor	BNC output : 100 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 ±10%, 50 Hz / 60 Hz (AC 220 V in China)
Fuse	6 A
Max Power	1000 W
User storage space	Infinite(PC)
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.
Monitor output way	1 meter coaxial-line
Dimension	35 U
Weight	Approx. 108 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-line, Fuses, CN 25, Factory report	

### Optional Accessories

1. Signal/Communication lines coupling/decoupling network: IEC 61000-4-5  
CDN 405 series

2. Broadband current monitoring pliers : CM 0220M Attenuation : 0.01 V/A;

3. 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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