



Communication Surge Immunity Tester **CWS 2000C&2000T**

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

Features

- > 5.7-inch color touchscreen front panel operation
- > Max. pulse voltage 20.0 kV
- > Support surge voltage and current monitoring with LCD display
- > Test sequence function, easy operation

Introduction

The CWS 2000C & CWS 2000T communication surge immunity tester complies with IEC 61000-4-5 and other standard requirements. They are high-end test systems specially designed to simulate surge pulse interference phenomena.

The CWS 2000T can generate 10/700 μ s and 5/320 μ s high-voltage pulse waveforms. The performance of CWS 2000C & CWS 2000T fully meets the immunity test requirements of CE and CCC certifications for equipment under test.

Application Areas



Technical Parameters

Test Voltage	0.5 kV ~ 20.0 kV $\pm$ 10%
Voltage Rise Time	10 μ s $\pm$ 30%
Voltage Duration	700 μ s $\pm$ 20%
Test Current	12.5 A ~ 500 A $\pm$ 10% (40 Ω)
Current Rise Time	5 μ s $\pm$ 20%
Current Duration	320 μ s $\pm$ 20%
Output Impedance	15 Ω , 40 Ω
Polarity	Positive, negative, alternative
Test Interval	11s ~ 180 s (the minimum time depends on test voltage)
Peak Voltage Detection	Front panel BNC output: 2000 V : 1 V; LCD display
Peak Current Detection	Front panel BNC output: 100 A : 1 V; LCD display
Counter	1 ~ 999
Trigger Mode	Automatic, manual, external trigger input
Test Mode	Test parameter sequence setting
Peak Acquisition	Front panel peak voltage and current acquisition display

General Parameters

Display Screen	5.7-inch colorful TFT touchscreen
Working Power	AC 110 V/220 V, $\pm$ 10%, 50 Hz /60 Hz
Fuse	6 A
Ma. Power Consumption	1,000 W
Storage space	Infinite (PC)
Communication Mode	Ethernet LAN
Fault Detection	LCD display in front panel and stop work when failure occurs
Detection Output Mode	Standard 1 m coaxial cabel
Dimension	35 U
Weight	Approx. 108 kg
Ambient Temperature	15°C ~ 35°C
Relative Humidity	45% ~ 75%
Atmospheric Pressure	86 kPa ~ 106 kPa

Tester Introduction

CWS 2000C	Communication surge immunity tester control
CWS 2000T	10/700 μ s & 5/320 μ s communication surge generator

Standard Accessories

Power Cord, User Manual, Test Cables, Grounding Wire, Fuse, Coaxial Cable, CN 25 Cable
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Optional Accessories

1	PC Control Software	Mode: Corelab > Support Windows 7/8/10 /11 > Easy operation, intuitive interface, standard test libraries > Supports parameter sequence, test sequences, easy for operation > Supports customer information configuration and automatic test report printing.	
2	Coupling/Decoupling Network	Model : CDN 405 Series	
3	Wide-band Current Monitor	Model: CM 0220M	

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