

Surge pulsed magnetic field simulator

CWS 1200MF

Datasheet



In Compliance with

- > IEC 61000-4-9
- > EN 61000-4-9
- > GB/T 17626.9
- > IEC61000-4-5 (optional)
- > GB/T 17626.5 (optional)
- > ITU-T K.12
- > ITU-T K.20
- > ITU-T K.45
- > UL1449

Introduction

CWS 1200MF is an intelligent surge pulsed magnetic field simulator to meet international standards and kinds of product standards for pulse magnetic field immunity tests. The magnetic field intensity is up to 1200A/m (Special requirements can be customized.)

Meet the immunity test requirements specified in CE and CCC certifications.

Fully automatic control by touch screen operation and offer you kinds of accessories to meet the applications of many EUTs.

Feature

- > 5.7 inch color touch screen operation on the front panel
- > Simple operation and test sequence scheduling
- > External magnetic coil, meet IEC61000-4-9
- > Ethernet interface, RJ45, for PC remote control, and printing test reports

Application Areas

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

General parameters	
Display screen	5.7 inch TFT Touch Screen
Range of working power supply	AC 110 V/220 V, $\pm 10\%$, 50/60 Hz
Fuse	6 A
Max. Power dissipation	200 W
Communication mode	Ethernet, RJ45
Auxiliary interface	D-sub 25 p
External trigger input	BNC, 5 V TTL
CRO trigger output	BNC, 5 V TTL
Running control input	BNC, 5 V TTL
Output of Warning lamp	0 - 220 V AC 10 A / 0 - 48 V DC 3 A The power depends on the types of external signal lamp
Safety circuit	Stop working when the safety circuit is not closed
Failure detection	LCD will display the failure on the front panel and interrupt instrument working
Instrument working status indicator	LED on the front panel indicates and LCD displays
Instrument grounding connection	Use flat ground wire
Detection output mode	Standard 1m coaxial cable
Size of crate (W*H*D)	19 inch/6U
Weight	Approx. 30 Kg
Temperature range	15–35 °C
Humidity range	45%-75%
Air pressure range	86 kPa ~ 106 kPa

Pulse magnetic field test	
Range of output magnetic field	100 A/m ~ 1200 A/m (single-turn 1000 mm*1000 mm)
Waveform	Front time:8 $\mu\text{s} \pm 20\%$ Peak to half value:20 $\mu\text{s} \pm 20\%$
Polarity	+/-/alternate
Trigger mode	Auto, manual, external signal trigger
Pulse period	5-99 s (the shortest time depends on the test current)
Number of test times	1-999
Size of coil	1000*1000
Shape of coil	Rectangle
Turns of coil	Single turn



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