

## Combination Wave Surge Simulator

## CWS 1089B

### Datasheet



#### In Compliance with

> GR-1089-CORE Issue 6 (2011)

#### Introduction

Combination wave surge simulator CWS 1089B is designed on the basis of 3ctest's 3rd generation intelligent multifunctional testing system, strengthened with programmable controllers, and boasts integrated system, stable system performance, superior human-machine interaction functions, and simple, easy operation.

The simulator is capable of generating waveform of 10/250  $\mu$ s according to GR-1089-CORE Issue 6 (2011).

#### Features

- > 5.7" color touch screen front panel
- > PC automatic control system
- > Ethernet RJ 45 interface

#### Application Areas

- > IT
- > Telecom

Technical Parameters - 10/250 $\mu$ s	
Open-Circuit Voltage	200 V – 4,000 V (+16%)
Short-Circuit Current	134 A – 2,000 A (1.5 $\Omega$ ); 100 A – 2,000 A (2 $\Omega$ ); 25 A – 500 A (8 $\Omega$ );
Voltage Waveform Rising Edge Time	4 $\mu$ s – 10 $\mu$ s
Voltage Pulse Duration	250 $\mu$ s – 400 $\mu$ s
Current Waveform Rising Edge Time	7 $\mu$ s – 10 $\mu$ s
Current Pulse Duration	250 $\mu$ s – 300 $\mu$ s
Repetition Frequency	1 / 99 s at 4,000 V

General Parameters	
Output Polarity	+, -
Operating Power Supply	AC 110 V / 220 V $\pm$ 10%, 50 Hz / 60 Hz
Triggering Method	Automatic / Manual; can be set as single-time triggering
Operating Temp.	15 $^{\circ}$ C - 35 $^{\circ}$ C
Operating Humidity	45% - 75% (no condensation)
Dimension	35 U, 620 x 450 x 1,800 mm
Weight	Approx. 100 kg

Standard Accessories	
Testing Wire	1 pc
Grounding Cable	1 pc
Power Supply Cable	1 pc
Quality Guarantee	1 pc
Factory Inspection Report	1 pc
User Manual	1 pc



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