



Ring Wave Simulator

RWS 600

- IEC 61000-4-12
- ANSI/IEEE C62.41
- GB/T 17626.12

Features

- > 5.7-inch color touch screen front panel operation
- > Ultra-compact simulator up to 6.0 kV
- > Built in three-phase coupling/decoupling network, with a maximum current of 16 A, AC 380 V 16 A
- > Internal failure alarming function
- > Meet the needs of enterprise, institution, and testing institution users for anti-interference testing equipment
- > Test scheduling function

Introduction

Due to the transient phenomenon caused by power and control switch switching (or lightning strikes), ringing wave interference is generated on power lines, control lines, and signal lines. Therefore, the ringing wave simulator RWS 600 developed by 3ctest establishes a common criterion for evaluating the anti-interference performance of household, commercial, and industrial power and electronic equipment, and the equipment performance parameters are at the international advanced level. Compatible with external CDN network expansion to meet the testing requirements of high voltage and high current test products.

Application Areas



Technical Parameters

Output Voltage for Open Circuit (PK1)	0.25 kV ~ 6.0 kV \pm 10%
Open circuit voltage oscillation frequency	100 kHz \pm 10%
Open Circuit Voltage Rise Time (T1,10% -90%)	PK1 0.5 μ s \pm 30%
Open Circuit Voltage Decay rate	0.4 \leq (PK2)/(PK1) \leq 1.1 0.4 \leq (PK3)/(PK2) \leq 0.8 0.4 \leq (PK4)/(PK3) \leq 0.8
Short Circuit Current Rise Time (T1,10% -90%)	PK1 0.2 μ s ~ 1 μ s
Open Circuit Voltage (PK1) At 6000 V, Short-circuit Current (PK1)	500 A \pm 10% at 12 Ω ; 200 A \pm 10% at 30 Ω
Interval time between adjacent pulses	10 s ~ 99 s
Pulse frequency	1~999 times
Output Impedance	Automatic switching between 12 Ω and 30 Ω
Trigger Mode	Automatic, manual, external trigger input
Phase synchronization	0°~360°, resolution 1°, asynchronous capability
Coupling network path	Built in L1 L2、L3、N、PE、Automatic switching
Coupling network	AC 380 V, 16 A Max
experimental mode	Scheduling settings can be made for experimental parameters such as voltage, coupling path, phase synchronization angle, etc

General Parameters

Display	5.7-inch TFT touch screen
Scope of Working Power Supply	AC 220V \pm 10%, 50/60Hz \pm 5%
Fuse	6 A
Maximum Power Consumption	200 W
Chassis Size	6U L * W * H: 620 * 450 * 28 mm
Instrument Weight	About 35 kg
temperature Range	15 – 35°C
Humidity Range	45% - 75%
Compressed Air	86 kPa - 106 kPa

Standard Accessories

Power Cord, Fuse, Test Wire, Grounding Wire, Instruction Manual

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