

## Ring Wave Simulator

## RWS 600

### Datasheet



#### In Compliance with

- > IEC 61000-4-12
- > ANSI/IEEE C62.41

#### Introduction

Ring wave interference on electronic line, control line and signal line can be caused by transient due to switch of mains and controlled switch or lightning strike. RWS 600 is designed to conduct immunity test for electronic and electrical device.

#### Features

- > 5.7 inch color touch screen front panel operation
- > Ultra-compact simulator up to 6.0 KV
- > Internal three-phase CDN, current up to 16 A, AC 380 V 16 A
- > Internal failure alarming function
- > Fully meet the immunity test requirements for enterprises and testing institutions
- > Test scheduling function

#### Application Areas

- > Communication
- > Telecom
- > Medical
- > Broadcast
- > Railway
- > Technology
- > Military
- > Avionics
- > New energy

| General Parameters     |   |
|------------------------|---|
| Display screen         | 5.7 inch TFT touch screen                                       |
| Power supply           | 110 V / 220 V, $\pm 10\%$ , 50/60 Hz, default<br>AC 220 V 50 Hz |
| Fuse                   | 6 A   |
| Max. Power consumption | 200 W   |
| Size                   | 19 inch/6U  |
| Weight                 | Approx. 35 Kg   |
| Temperature            | 15–35 °C  |
| Humidity               | 45%–75%   |
| Air pressure           | 86 kPa –106 kPa   |

| Technical parameters  |  |
|---|--|
| Output voltage for open circuit (PK1)                             | 0.25 kV – 6.0 kV $\pm 10\%$  |
| Oscillatory frequency for open circuit voltage (1/T)              | 100 kHz $\pm 10\%$   |
| Front time for open circuit voltage (T1,10%-90%)                  | 0.5 $\mu$ s $\pm 30\%$ at PK1  |
| Decay ratio for open circuit voltage                              | 40%<(PK2)/(PK1)<110%   |
|   | 40%<(PK3)/(PK2)<80%  |
|   | 40%<(PK4)/(PK3)<80%  |
| Front time for shot circuit current (T2, 10%-90%)                 | $\leq 1 \mu$ s at P1   |
| shot circuit current (P1) for open circuit voltage(PK1) is 6000 V | 500 A $\pm 10\%$ at 12 $\Omega$ ; 200 A $\pm 10\%$ at 30 $\Omega$              |
| Pulse interval  | 1 s - 99 s   |
| Number of test  | 1-9999   |
| Output impedance  | 12 ohm, 30 ohm automatic switch  |
| Trigger mode  | Automatic, manual and external   |
| Synchronization   | 0°-360°, 1° step or random   |
| Network path  | Internal L1, L2, L3, N, PE, automatic switch                                   |
| EUT voltage feature   | AC 380 V, 16 A;<br>Max: AC 450 V   |
| Test mode   | programmable setup of voltage, coupling path, phase angle and other parameters |