

RWI T6 Ring Wave Immunity Generator

Overview

Ring wave is caused by power supply and control line switches or lightning strike and appears on the terminal of devices. The ring wave may affect the reliable operation of equipment and system. A ring wave generator is used to evaluate the performance of electrical and electronic equipment, devices or systems subjected to ring wave. Products fully meet the latest requirements of standard IEC/ EN 61000-4-12. Kindly review the following for more details.

Standard and basis of product designing & manufacturing

- GB/T 17626.12
- IEC/ EN 61000-4-12: Testing and measurement techniques –Ring wave immunity test

Power supply

- Input voltage: AC220V ($\geq 150W$)
- Frequency: 50/60Hz
- Coupling/ decoupling network: single-phase three-wire (L-N-PE)
- Voltage resolution: 1V
- Voltage harmonic distortion $\leq 5\%$

Environment

- Indoor use
- Altitude not exceeding 1000metres
- Ambient temperature $15^{\circ}C \sim 35^{\circ}C$
- Relative humidity no more than 85%
- No conductive dust, no fire or explosion hazard, no corroding metal or insulating gas, sine wave voltage waveform, waveform distortion rate $\leq 5\%$
- Earthing resistance not more than 0.5Ω

Features

- Fully Compliant with latest Standards IEC/ EN 61000-4-12
- User friendly 7" Touch Panel Display
- Support multi-language & facilitate users
- Built-in environment self-test program
- Pre-programmed IEC 61000-4-12 test settings
- RS232 interface, PC control operation & printable test report
- Comfortable use and convenient operation

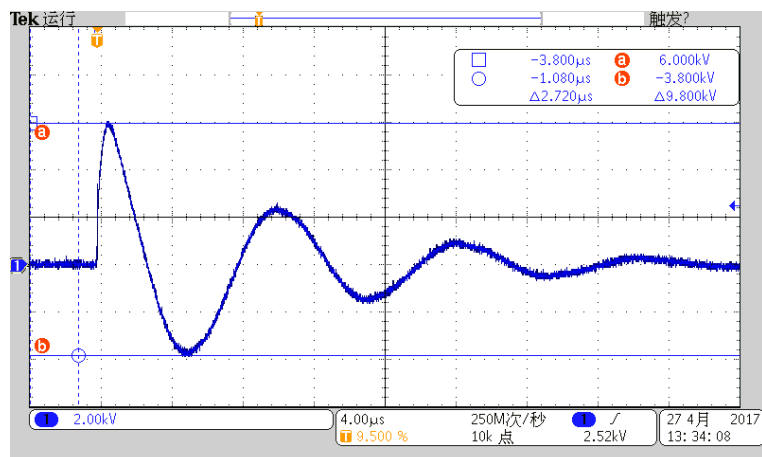
Picture



Technical data

Model	RWI T6
Output voltage	0.25~ 6kV
Oscillation frequency	100kHz
Polarity	Positive/ negative/ alternating
Impedance	12Ω 30Ω 200Ω
Rise time	Current rise time $\leq 1\mu\text{s}$, voltage rise time $\leq 0.5\mu\text{s} \pm 20\%$
Pulse repetition	Max 60times/ minute
Pulse interval	1~ 9999s
Pulse numbers	1~ 9999
Phase angle	0~ 359°synchronous, asynchronous, or automatic
Coupling/ decoupling network	External, 3phase 5wire, 16A
Power supply	AC 220V $\pm 10\%$ 50/60Hz
Ambient temperature	15°C ~ 35°C

Measured waveform




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