

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 lightening 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 | > Technology |
| > Telecom | > Military |
| > Medical | > Avionics |
| > Broadcast | > New energy |
| > Railway | |

General Parameters	
Display screen	5.7 inch TFT touch screen
Power supply	110 V / 220 V, $\pm 10\%$, 50/60 Hz, default 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 μ 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 Ω ; 200 A $\pm 10\%$ at 30 Ω
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; Max: AC 450 V
Test mode	programmable setup of voltage, coupling path, phase angle and other parameters



MAINLAND CHINA

SUZHOU 3CTEST ELECTRONIC CO., LTD.
 Add.: No. 99 Emeishan Rd, SND, Suzhou 215153,
 Tel: +86 (0)512 6807 7192
 Fax: +86-512-68079795
 Email: globalsales@3ctest.cn
www.3c-test.com

TAIWAN

RICHTEC INSTRUMENTS CO., LTD.
 Add.: 6F.-5, No.130, Ln. 235, Baoqiao Rd., Xindian
 Dist., New Taipei City 23145, Taiwan, China
 Tel: +886 2 8912 1185 #10
 Email: ryan@richtec.com.tw
www.richtec.com.tw

SOUTH KOREA

TESTEK Co., LTD.
 Add.: 601Ho, SungwoonKoa, 141 Hyeonam-ro,
 Suji-Gu, Yongin-Si, Gyeonggi-Do, South Korea.
 Tel: +82 70 4099 2071,
 E-mail: woo@testek.co.kr
www.testek.co.kr

SINGAPORE

QUANTEL PTE LTD.
 Add.: 25 Kallang Ave, #05-02, 339416, Singapore
 Tel: +65 6745 3200
 Email: engtat.ong@sg.quantel-global.com
www.quantel-global.com

USA

THE EMC SHOP
 Add.: 7401 Galilee Rd. #160, Roseville, CA 95678,
 USA
 Tel: +1 844 423 7435
 Email: brendon.berg@theemcshop.com
www.theemcshop.com

RUSSIA

CDIP LLC
 Add.: Room 7, Building 5, House 69, Ryabinovaya
 Street, Moscow 121471, Russia
 Tel: +7 (495) 956 20 22
 Email: info@cdip.ru
www.cdip.ru

