

Combination wave surge simulator

CWS 60G



As per

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|------------------|--------------|
| > IEC 61000-4-5 | > UL1449 |
| > IEC 61000-4-9 | > ITU-T K.12 |
| > IEC 60255-22-5 | > ITU-T K.45 |
| > IEC 61850-3 | > ITU-T K.20 |
| > EN 61000-4-5 | |
| > EN 61000-4-9 | |
| > IEC/EN 61326 | |
| > GB/T 17626.5 | |

Summary

Lightning surge is a kind of transient high voltage or high current phenomenon produced by lightning and electronic switch on-off action, nearly all electronic electrical devices may suffer the surge influences. CWS 60 series combination wave surge simulator is designed to simulate surge pulses disturbance which can fully meet single phase immunity test requirements for CE ,CCC certification, also for three phase tests by external CDN.

Features

- > 5.7 inch color touch screen
- > surge failure detection
- > surge voltage up to 6kV, surge current up to 3kA
- > Test programmable function with easy operation
- > surge voltage and current monitoring and LCD display
- > built-in single phase coupling/decoupling network
- > controlled external three-phase CDN
- > Ethernet, RJ45 for PC remote control, print test report

Application

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

General data	
Display screen	5.7 inch TFT color touch screen
Power supply	AC 110V/220V, $\pm 10\%$, 50/60Hz (default AC 220V)
Fuse	6A
Max. Power consumption	200W
Memory space	Infinite (PC)
Communication mode	Ethernet, RJ45
Working indicator	LED, LCD front panel display
Failure detection	Display on LCD and interrupt the work at failure case
EUT power injection	4mm ² banana plug wire
Output mode	Standard 1m coaxial cable
Size (W*H*D)	19 inch/6U
Weight	Approx.30Kg
Temperature	15-35°C
Humidity	45%-75%
Air pressure	86kPa~106kPa

As per IEC 61000-4-5 surge immunity tests	
Combination wave	
Test voltage	20V-600V $\pm 10\%$
Voltage waveform	Front time: 1.2 μ s $\pm 30\%$ Time to half value: 50 μ s $\pm 20\%$
Test current	10A-300A $\pm 10\%$
Current waveform	Front time: 8 μ s $\pm 20\%$ Time to half value: 20 μ s $\pm 20\%$
Source output impedance	2 ohm
Output polarity	+/-/alternative
Pulse cycle	6s-99s (shortest depends on test voltage)
Number of test	1-999
Trigger mode	Automatic, manual and external



SUZHOU 3CTEST ELECTRONIC CO., LTD

Headquarter

Unit 2, Anda Industrial park, Jinshan Rd, SND, Suzhou,
 215011, China
 Tel: +86-512-68413700/3800/3900
 Fax: +86-512-68079795
 http://www.3ctest.cn
 Email: info@3ctest.cn

BEIJING OFFICE

Room D 206, D block, Keshi Building, No.28, Shangdixinxi
 Road, Haidian District, Beijing, China
 Tel: +86-010-82899984/82899948
 Fax: +86-010-82899943

CHENGDU OFFICE

Room 1501, Unit 3, Ideal Centre, No.38 Tianyi Street, SND,
 6100085, Chengdu, China
 Tel: +86-028-85327800
 Fax: +86-028-85311400

SHENZHEN OFFICE

Room 805, Huawei Building, Xili Chaguang Road, Nanshan
 District, Shenzhen, China.
 Tel: +86-755-86626625/86344313
 Fax: +86-755-26966255

Xi'an Office

Add.: Room 2204, Visa Yinghai Building, Green land Central
 Plaza, Jinye Road, Crossig of Zhangbasan Road, High-tech
 district, Xi'an city, China.
 Tel: +86-029-68985077/68985700
 Fax: +86-029-68717677



TAIWAN OFFICE

RICHTEC INSTRUMENTS CO., LTD
 6F-5, No.130, Ln.235, Baoqiao Rd, Xindian District, New
 Taipei City, 23145, Taiwan
 Tel: +886-2-89121185 Fax: +886-2-89121812
 Email: rich.tec@msa.hinet.net
 http://www.richtec.com.tw



TESTEK Co.,LTD

Address: 601Ho, SungwoonKoa, 141 Hyeonam-ro,
 Suji-Gu, Yongin-Si, Gyeonggi-Do, 448-808
 Tel: 070-4099-2072/H.P : 010-6500-6648
 Email: woo@testek.co.kr
 http://www.testek.co.kr , www.3ctest.co.kr



Quantel Pte Ltd

Address: 46 Lorong 17 Geylang #05-02
 Enterprise Industrial Building
 Singapore 388568
 Tel: +65 6745 3200
 Email: info@quantel-global.com
 https://www.quantel-global.com



European Agency

Europe: AR Europe
 Yvonne McGlinchey
 ymcglinchey@ARWorld.US
 +353 61 504300
 Address: First Floor Ashling Building, National Technology
 Park, Limerick, Ireland