

High voltage high-power intelligent Lightning Surge Test system

CWS 600G/SPN 15100T



As per standards

- > IEC 61000-4-5
- > EN 61000-4-5
- > GB/T 17626.5
- > IEC 61000-6-1
- > IEC 61000-6-2

Summary

CWS 600G/SPN 15100T is a specially designed system which can fully meet CE and CCC. The system has been built-in SPN 15100T three -phase five-wire high power fully automatic CDN to meet the requirements of new energy test system and high power load test with advantages of high reliability, stable performance and easy to use, etc. EUT high voltage high power load capacity is DC 1500V 100A, AC 700V 100A three phase five wire. Other EUT voltage and current levels can be customized according to customer' s requirements.

Features

- > EUT DC load capacity: DC 1500V 100A
- > EUT AC load capacity: AC 700V 100A three-phase five wire
- > Semi-conductor switch technology, EUT power automatic switching over
- > EUT voltage and current detection
- > Overvoltage, over current and overheating protection
- > Setting test voltage, polarity and phase sync angle by scheduling and fully automatic network switching over
- > Phase angle superposition for any line

Application

- > Communication
- > Information technology
- > Telecom
- > Military
- > Medical
- > Aviation
- > Broadcast and TV
- > New energy power
- > Railway

Technical parameters	
Combination wave simulator CWS 600G	
Test voltage range	0.2kV-6kV, ($\pm 10\%$)
Test current range	0.1kA-3kA ($\pm 10\%$)
Voltage waveform	Front time: $1.2\mu s \pm 30\%$ time to half value: $50\mu s \pm 20\%$
Current waveform	Front time: $8\mu s \pm 20\%$ time to half value: $20\mu s \pm 20\%$
Source output impedance	2 ohm
Output polarity	+/-/alternate
Surge voltage	Surge voltage: 1000V:1V surge current: 500A:1V
Current peak detection	LCD display the measured value with 3 digits IEC standard mode or self-defined mode
Coupling resistance	10 ohm, 0 ohm coupling resistance, IEC standard mode or self-defined mode
Pulse cycle	5s-99s (The shortest depends on test voltage)
Test times	1-999
Trigger mode	Automatic, manual and external
Synchronization	0-360°, resolution 1° step or random

Network Module SPN 15100T	
Three-phase fully automatic Coupling/decoupling Network	Surge combination wave test, voltage up to 8.0kV (1.2/50us), current up to 4.0kA(8/20us)
EUT load capacity	Max AC 700V 100A 50/60Hz three phase five wire Max DC 1500V 100A
EUT switching over mode	Auto switching over
Temperature detection function	Allowable max. temperature: 80°C
Phase synchronization	L1、L2、L3、N、PE, arbitrary L-L, L-N phase angle superposition
Coupling paths	L1、L2、L3、N、PE, arbitrary combination path
Coupling switching over mode	Auto switching over
Coupling capacitance	9uF、18uF
Coupling resistance	10 ohm、0 ohm Optional for IEC standard mode or self-defined mode
Coupling attenuation	<2 dB
Residual pulse voltage at the injection of EUT	Less than 15% of applied test pulse voltage or 2 times rated voltage peak of coupling/decoupling network
Cabinet size	19"/35U
Weight	Approx.200Kg

Accessories		
1. CDN 1pcs	4. Grounding wire	7. Factory inspection report
2. Three-core power cord	5. Fuse	8. User manual
3. Test wire	6. Coaxial cable	

Options
1. VCF-80 HV differential probe Max. test voltage 8kV, attenuation ratio: 1000: 1, meet open circuit voltage waveform calibration for surge simulators
2. TR 410 HV current sensor Max. test current 5kA, attenuation ratio: 100:1, meet short circuit current waveform calibration for surge simulators



CONNECT 3CTEST

SUZHOU3CTEST ELECTRONIC CO., LTD

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

SHENZHEN OFFICE

Room 402, the 4th floor, Fuan Technology Building, No.13,
Nanshan Technology Park, 518053, Shenzhen, China
Tel: +86-755-86626625/ 86344313
Fax: +86-755-26966255

TESTEK Korea

Contact person : Mr.Sungoh Woo
Email : woo @testek.co.kr
Tel : 070-4099-2072 / H.P : 010-6500-6648
Address : 601Ho, SungwoonKoa, 141 Hyeonam-ro, Suji-Gu, Yongin-Si,
Gyeonggi-Do, 448-808

Europe

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

BEIJING OFFICE

Room D206, D block, Keshi Building, No.28, Shangdixinxi
Road, Haidian District,Beijing
Tel: +86-10-82899948/ 82899984
Fax: +86-10-82899943

CHENGDU OFFICE

Room 1501,Unit 3, Ideal Centre,No.38 Tianyi Street, SND,
6100085,Chengdu,China
Tel: +86-28-85327800/85327600
Fax: +86-28-85311400

TAIWAN OFFICE

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