Surge Generator SG 210H Datasheet

In Compliance with

> JEC 210/212

Introduction

SG 210H fully automatic surge test stand adopted programmable controller and computer technologies on the basis of third-generation intelligent multi-functional comprehensive test generators, which greatly simplifies the system composition and increase its reliability. The security of system can be improved in HV, heavy current tests to avoid the hazard coming from HV discharging transient process. On the unique colorful touch-screen design operation screen, the function of human-computer conversation can be realized. With easy operation, users can automatically conduct various tests through simple configuration on the page of parameter setup only. The product has the advantages of highly system integrity, intelligent control, easy operation and saving test time etc.

Features

> 7 inches colorful touch screen
> PLC control, automatic control system
> As per standard JEC 210/212
> Judge failures automatically and alarm audibly and visually
> The function of acquisition for voltage and current output peak can be built in
> TDS3012 oscilloscope can be built in to coordinate the waveform parameters automatic computing of measurement analyzing system
> Built-in single-phase automatic coupling/decoupling networks
> 19 inches standard cabinet
> Remote control can be realized through RS232 communication interface

Application Areas

> Communication
> Telecom
> Medical
> Broadcast
> New energy electric power
> Military
> Avionics
> Technology
> Railway

Technical Parameters				
Parameters for Voltage Waveform	Open-Circuit Peak Voltage	10 kV	15 kV	20 kV
	Open-Circuit voltage Waveform	1.2±30%/50±20% μs		
	Output Impedance	6 Ω±10%		
	Built-In Load Impedance	50 Ω±10%		
	Short-Circuit Peak Current	1.65 kA	2.5 kA	3.3 kA
Parameters for Current Waveform	Short-Circuit Current Waveform	8±10%/20±10% μs		
	Output Impedance	5 Ω±10%		
	Built-In Load Impedance	3 kΩ		
	Short-Circuit Peak Current	2 kA	3 kA	4 kA
Test Polarity		Positive/Negative		
Coupling/ Decoupling Networks	Power Supply	Single-Phase/ Three-Phase		Single-Phase Network
	Control Method	Auto		
	Voltage	Three-Phase AC 380 V16 A		Single-Phase AC 220 V16 A
	Installation Method	Built-in		
	Coupling	Capacitor or Gap		
	Decoupling	Capacitor, inductance		
Power Supply		AC 220 V 1 kVA	AC 220 V 1.5 kVA	AC 220 V 2 kVA
Dimension（Mm）		600 *800*1750	600*800*1750	600*800*1750
Weight（Kg）		300	400	450

General Parameters	
Ambient Temperature	-10 ℃ - 40 ℃
Relative Humidity	35%-85% RH（No condensation）
Grounded Resistor	Less than 0.5 Ω
No conductive dust, no fire and explosion hazard, no corrosive gas. The voltage waveforms are sinusoids; waveform distortion is less than 5%.	

SUZHOU 3CTEST ELECTRONIC CO., LTD.

Add.: No. 99 E'meishan Road, SND, Suzhou, Jiangsu Province, China
Tel: +86 (0)512 6807 7192 Fax: +86-512-68079795
Sales Email: globalsales@3ctest.cn Service Email: service@3ctest.cn
www.3c-test.com