

Multiple Waveforms Surge Generator

SG 3483

Datasheet



In Compliance with

- > IEC 61000-4-5
- > GB/T 17626.5
- > GB/T 3482
- > GB/T 16896.1

Introduction

SG 3483 surge generator 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. Replacing different main loops can produce multiple waveforms.

Features


- > Colorful touch screen 7 inches LCD;
- > PLC control system, fully automatically control system;
- > Replacing different main loops can produce multiple waveforms;
- > One-touch test, equipped with programming function;
- > RS232 communication interface making remote control realizable;
- > Built-in grounded equipments and security lock double protection;

Application Areas

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

Technical Parameters	
Model No.	SG3483
Output Waveform I	4±30%/300 μs±20% voltage waveform
Output Waveform II	10±30%/200 μs±20% voltage waveform
Output Combination Waveform III	10±30%/700 μs±20% voltage waveform 5±30%/320 μs±20% current waveform
Output Peak Voltage	20 kV±10%
Voltage polarity	Positive/Negative (automatic switching)
Charging duration	20 s~999 s (Min. 10 s)
Uncertainty of Charging Voltage	Less than 1%
Trigger Mode	Auto/Manual, can be triggered for single time
Trigger Accidental Operation Rate	Less than 1%
Trigger Range	100% rated charging voltage
Measurement Display Accuracy	Better than 3%
Insulation Strength	≤500 V RMS (Common-end COMMCN ground reference PE)
Auxiliary Mains Voltage	220 V(±10%)/50 Hz
Auxiliary Mains Current	<10 A (continuous)

General Parameters	
Measurement Display Accuracy	Better than 1%
Trigger Mode	Synchronized/ Asynchronized; Auto/ Manual: can be triggered for single time
Operating Power Supply	AC 110 V/220 V(±10%), 50 Hz /60 Hz
Ambient Temperature	15 °C-35 °C
Humidity Range	45%-75%
Atmosphere Pressure Range	86 kPa-106 kPa
Coupling/ Decoupling Networks (External)	Coupling/decoupling networks of single-phase or three-phase are optional.
Cabinet Dimension	19 Inches/ 35 U(600 mm x800 mm x1820 mm)

Accessories	
Testing Box (Including testing cables)	 <p>Testing lines 6mm 2*0.45m red 1 pc Testing lines 6mm 2*0.45m green 1 pc</p>
Power Supply Lines	Three core, straight 1 pc(2 m)
Current Coils (built-in)	TE5046 1 pc



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