

HV Pulsed Simulator

SG 384G

Datasheet



In Compliance with

- > IEC-384-14
- > IEC-60060-1
- > IEC 61181
- > IEC 255-5
- > IEC 60060
- > IEC 664
- > GB 7251.1
- > GB/T 14048.1
- > GB/T 16916.1
- > GB/T 14598.3
- > GB/T 17627.1

Introduction

SG 384G voltage pulsed simulator is mainly designed for electrical and electronic products to conduct voltage pulse test with good reliability, stable performance and easy operation.

Features

- > 5.7 inch color touch screen front panel operation
- > Internal multi-functional test modules
- > Programmable test functions
- > Ethernet RJ45 port for PC remote control
- > Test report print

Application Areas

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

Technical Parameters	
Test voltage	0.5 kV–15.0 kV±10%
Voltage rise time	1.2 μ s \pm 30%
Voltage duration	50 μ s \pm 20%
$C_x \leq 0.0039\mu$ F	$R_s=62$ ohm \pm 10% automatic switch
0.0039μ F < $C_x \leq$ 0.012 μ F	$R_s=45$ ohm \pm 10% automatic switch
0.012μ F < $C_x \leq$ 0.018 μ F	$R_s=27$ ohm \pm 10% automatic switch
$C_x=0.01\mu$ F \pm 2%	Tr:1.7(0/+50)% μ s Td:46(0/+50)% μ s
Polarity	+/- alternative
Test interval	10 s-99 s (shortest depends on test voltage)
Voltage peak detection	Measurement value displayed on screen
Number of test	1–999
Trigger mode	Automatic, manual and external
Test mode	Programmable setup of technical parameters

General Parameters	
Display screen	5.7 inch TFT touch screen
Power supply	AC 110 V±10%, 220 V±10%, 50/60 Hz (default AC 220 V 50 Hz)
Fuse	6 A
Max. Power consumption	200 W
Memory space	infinite (PC)
Communication mode	Ethernet LAN、RJ45
Auxiliary port	D-sub 25 p
External trigger input	BNC, 5 V TTL
CRO trigger output	BNC, 5 V TTL
Input	BNC, 5 V TTL
Warning LED	0-220 V AC 10 A/0-48 V DC 3 A Depending on external signal lamp
Safety circuit	Test only can be started when it is closed
Failure test	Display on LCD and interrupt the work at failure case
Working indicator	LED, LCD front panel display
Grounding connection	Flat ground line
Output mode	Standard 1m coaxial cable
Size	6U cabinet
Weight	Approx. 15 Kg
Temperature	15–35 °C
Humidity	45%–75%
Air pressure	86 kPa–106 kPa



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