

HV pulsed simulator

SG 384G



- As per**
- > 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

Description

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

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

Technical parameters	
Test voltage	0.5 kV–15.0 kV±10%
Voltage rise time	1.2us ± 30%
Voltage duration	50us ± 20%
$C_x \leq 0.0039\mu\text{F}$	$R_s=62 \text{ ohm} \pm 10\%$ automatic switch
$0.0039\mu\text{F} < C_x \leq 0.012\mu\text{F}$	$R_s=45 \text{ ohm} \pm 10\%$ automatic switch
$0.012\mu\text{F} < C_x \leq 0.018\mu\text{F}$	$R_s=27 \text{ ohm} \pm 10\%$ automatic switch
$C_x=0.01\mu\text{F} \pm 2\%$	Tr:1.7(0/+50)%us Td:46(0/+50)%us
Polarity	+/- alternative
Test interval	10s-99s (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
Software	
Control software EMSLab With PC installed WIN XP and WIN7, it can be easily operated to make the measurement, based on the customized test program. It can identify any device with automatic configuration. It can easily generate test reports.	

General data	
Display screen	5.7 inch TFT touch screen
Power supply	AC 110V±10%, 220V±10%, 50/60Hz (default AC 220V 50Hz)
Fuse	6A
Max. Power consumption	200W
Memory space	infinite (PC)
Communication mode	Ethernet LAN、RJ45
Auxiliary port	D-sub 25p
External trigger input	BNC,5V TTL
CRO trigger output	BNC,5V TTL
Input	BNC,5V TTL
Warning LED	0-220VAC 10A/0-48VDC 3A 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. 15Kg
Temperature	15–35°C
Humidity	45%–75%
Air pressure	86kPa–106kPa



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