



# Intelligent Impulse Voltage Testing Equipment

## S6V311

- IEC 60065
- IEC/EN 61643-311
- IEC 61643-1

### Features

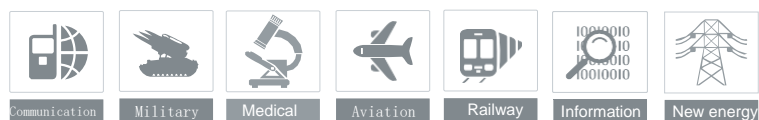
- > 5.7-inch color touch screen front panel operation;
- > Test scheduling function;
- > Ethernet and RJ45 interfaces, used for PC remote control and printing test reports;
- > The main switch adopts imported electronic switch.

### Introduction

S6V311 is an intelligent impulse voltage testing equipment that can meet various requirements of international standards and product series standards for small impulse voltage testing. It is used to detect gas discharge tubes, air gap discharge devices, and SPD with gas discharge tubes and air gap discharge devices. The two main parameters are impulse breakdown voltage of  $1\text{kV}/\mu\text{S}$  and breakdown voltage of 1.2/50.

The S6 series is the best choice for small impulse voltage testing, which not only meets the immunity testing requirements of the EU CE certification and CCC certification for single-phase test equipment, but also achieves fully automatic control testing through touch screen operation. We provide various testing accessories to meet the application needs of various test subjects such as components, power modules, surge protection modules, etc.

### Application Areas



## Technical Parameters

Compliant With IEC 61643-311 and GB/T 18802.311 Impulse Voltage Testing	
Test Voltage Range	500 V - 5000 V $\pm$ 10%
Voltage Waveform	Wavefront time: 1000 V/ $\mu$ s $\pm$ 20% Half peak time: none
Source Output Impedance	1000 $\Omega$
Output Polarity	Positive and negative
Pulse Cycle	10 s – 99 s
Test Frequency	1-999 times
Trigger Method	Automatic, manual, external triggering
Compliant With IEC 61643-1 and GB/T 18802. 1 Impulse Voltage Testing	
Test Voltage Range	500 V - 5000 V $\pm$ 10%
Voltage Waveform	Wavefront time: 1.2 $\mu$ s $\pm$ 30% Half peak time: 50 $\mu$ s $\pm$ 20%
Source Output Impedance	500 $\Omega$
Output Polarity	Positive and negative
Pulse Cycle	10 s – 99 s
Test Frequency	1-999 times
Trigger Method	Automatic, manual, external triggering

## General Parameters

Display	5.7-inch TFT touch screen
Scope of Working Power Supply	AC 110 V/220 V, $\pm 10\%$ , 50 Hz/60 Hz (default AC 220 V in Chinese Mainland)
Fuse	6 A
Maximum Power Consumption	100 W
Communication Method	Ethernet LAN
User Storage Space	Infinite (PC)
Communication Method	Ethernet, RJ 45
Auxiliary Interface	D-sub 25 p
External Trigger Input	BNC, 5V TTL
CROTriggers Output	BNC, 5V TTL
Operation Control Input	BNC, 5V TTL
Warning Light Output	0 – 220 V AC 10 A/0 – 48 V DC 3A; The power supply depends on the type of external signal light
Safety Circuit	Stop working when the safety circuit is not closed
Failure Detection	When it fails, the front panel LCD displays and interrupts the instrument's operation
Instrument Working Status Indication	Front panel LED indication, LCD display
Instrument Grounding Connection Method	Use a flat grounding wire
Chassis Size	4U chassis (450 mm * 190 mm * 620 mm)
Instrument Weight	About 15 kg
Ambient Temperature	15°C~35°C
Relative Humidity	45%~75%
Atmospheric Pressure	86 kPa~106 kPa

## General Parameters

Three core power cord, Instruction Manual, Test Wire, Grounding Wire, Fuse.

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