

Impulse Voltage Withstand Tester

LSG-2551C Series 【Introduction】

The LSG-2551C series impulse voltage withstand tester is a product developed based on surge generator manufacturing technology for insulation performance testing of electronic and electrical products. In addition to inheriting proprietary surge waveform generation technology, it has also achieved energy control and provides precise quantitative breakdown indication functionality, meeting the rigorous impulse voltage withstand testing requirements of current products including electric meters and relay protection devices.

Compliance Standards

IEC 60060-1/-2、IEC 61010、GB 311、GB/T 16927.1-2011、GB/T 16927.2-2013、GB/T 116896.1、IEC 60605、IEC 60643-311、GB/T 18802.1、GB 14048.1、IEC 60065、GB 4943.1、GB 8898、GB/T 17215.211、GB/T 17215.321、JJF 1245

Application Fields

Information technology equipment, instrumentation and measurement equipment, and transportation electrical appliances.

Technical Features

- ◆ Controlled by a color touchscreen for simple, stable, and reliable operation ;
- ◆ The main circuit is designed with high-quality components to ensure the stability and reliability of the output voltage; precise detection and setting functions for peak breakdown current (specific models) ;
- ◆ Single-pulse energy output control technology ;
- ◆ Customizable special energy based on customer requirements ;
- ◆ Capable of outputting uniform energy (10 J or 0.5 J) at different voltage levels according to customer requirements
- ◆ Safety lock and external trigger function ;
- ◆ Wireless WIFI remote upgrade capability.

Parameter List

Specification Model	LSG-2551C-12CB	LSG-2551C-12CK	LSG-2551C-6510	LSG-2551C-7284
Output Waveform	1.2/50 μ s	1.2/50 μ s	—	10/700 μ s
Output Voltage Range	1 ~ 12 kV	1 ~ 12 kV	500 V ~ 12 kV	1 ~ 7 kV

Output Voltage Polarity	Positive/Negative/Alternating Positive and Negative			
Generator Internal Resistance	500 Ω	500 Ω /38 Ω/12 Ω , customizable	1 kΩ	40 Ω
Generator Energy	10 J	Customizable	—	—
Energy Storage Capacitor	0.2 μF	—	1 nF	20 μF
Breakdown Current Threshold	100 mA ∼ 2000 mA	—	—	—
Trigger Mode	Manual/Automatic/External			
Number of Measurements	1 ∼ 9999 次			
Interval Time	3 ∼ 9999 s (The minimum interval time is determined by the set voltage)			
Pulse Polarity	Positive/Negative/Automatic Alternation of Positive and Negative			
Communication Mode	Remote WIFI Upgrade Capability			
External Trigger Input	BNC Port: Low-level active (short circuit)			
Number of Pulse Outputs	1 ∼ 9999 times			
General Parameters				
Operating Power Supply	AC 85 V ∼ 264 V 50/60 Hz 65 W			
Display Interface	Chinese/English selectable			
Dimension	19"/4 U			
Weight	15 kg			
Temperature	15°C∼ 35°C			
Humidity	30% ∼ 60%			
Atmospheric Pressure	86 kPa ∼ 106 kPa			
Standard Accessories	Main unit, test line, power cord, fuse, test report, instruction manual			