



HTCJ-V Lightning Impulse Voltage Generator Test Equipment



Product Introduction

Impulse voltage generator is mainly used for impulse voltage test of power equipment, such as lightning impulse voltage full wave, lightning impulse voltage truncation wave and operating impulse voltage wave, to test insulation performance. Impulse voltage generator is a power supply device that imitates impulse voltages such as lightning and operating overvoltages. It is mainly used in insulation shock withstand voltage and dielectric shock breakdown and discharge tests.

Scope of application: standard lightning shock, lightning cut-off wave for transformers, reactors, mutual transformers and other high voltage electrical appliances, high voltage thyristor valve SVC(HVDC), power cables, all kinds of high voltage insulators, bushing, operation shock and all kinds of non-standard shock wave impulse voltage test required by users. Various test waveforms (standard and non-standard waveforms, user-generated waveforms) can be generated by a single set of equipment. Field of application: lightning protection and lightning test for quality inspection, measurement, inspection and supervision organizations, power equipment manufacturers, railway communications, aerospace and aerospace vehicles, military research units, universities and meteorological departments.

Product Names : impulse voltage generator, lightning impulse voltage generator test device, lightning impulse current generator, voltage generator test device

Product Parameters

Charging voltage	Setting range	0 ~ 100kV
	Scope of work	20 ~ 100kV
	Setting deviation	$\leq \pm 1\%$
	Don't stability	$\leq \pm 1\%$
	Setting distinguish	0.1kV
Charging time	Setting range	30~180s
	Setting distinguish	1s
	Alarm time delay	2s
Number of pressure	Setting range	1~999
Protection setting	Overcurrent protection value	Can be set
	Overvoltage protection value	Can be set
	Dynamic charge protection	Can be set
Trigger pulse		More than 15kV, rising time less than 100ns, polarity can be switched
Output impact stability		More than 99%

Product features

- 1、 The circuit has small inductance and adopts the filter measure with resistance, which can produce standard shock wave under the load of large capacitance and large load capacity。
- 2、 High voltage utilization factor, lightning wave and operating wave are not less than 85% and 80% respectively.
- 3、 Easy to adjust wave, easy to operate, good synchronization performance, reliable operation。
- 4、 Constant current charging automatic control technology, high degree of automation, strong anti-interference ability.