

Automatic impulse current test system

LCG 50A



In Compliance with

- > IEC 61643-1
- > GB18802.1-2002
- > GB/T 16896.2
- > GB/T 11032
- > YD-T 5098

Introduction

LCG 50A series impulse current generator test system has the advantages of high system integration, intelligent control, easy operation and so on. Through the combination of different main loop units, the output of the device is divided into multiple levels to achieve the test ability to broaden the output range. This series of equipment adopts automatic control, only need to perform a simple test requirement setting on the parameter setting page, you can complete the switch of each range, one key automatic run test.

Features

- > Full color touch screen man-machine interface operation, simple operation;
- > PLC control system has strong anti-interference ability, stable and reliable operation;
- > The control function has manual, automatic and program control functions to meet different test requirements;
- > Multi-range wide range output, can test the minimum current 1kA;
- > Using thyristor constant current charging mode, effectively save energy waste;
- > With a variety of abnormal protection functions, sound and light alarm;
- > Automatic measurement and analysis of waveform parameters;

Application Areas

- > Communication
- > IT
- > Telecom
- > Military
- > Medical
- > Avionics
- > Radio & TV
- > New energy power
- > Railway

General Parameters	
Working Power Supply	AC220V \pm 10%, 50/60Hz 60A
Ambient Temperature	10 ~ 40°C
Relative Humidity	35% ~ 85%RH (without condensation)
Atmospheric Pressure	Not greater than 0.5 Ω
Technical Parameters	
Output Waveform	10/350 μ s \pm 10% current wave
Output Peak Current	1kA ~ 50kA \pm 10%
Voltage Direction	Positive/negative, (automatic switching)
Charging Time	Within 80% charging time can be guaranteed in the 60s full of more than 80% of the charging time can ensure finish in the 120s
Charging Voltage Instability	less than 1 line
Trigger Mode	Automatic or manual; Can be triggered single time
Trigger Error Rate	less than 1 line
Triggered Range	100% rated charging voltage
Phase Shift Angle Setting	0 ~ 360°Step 1°
Phase Control Accuracy	\pm 3°

optional Accessory		
Name	specification parameter	brand
Current Measuring Coil	TR1330 100kA	HILOK
Residual Voltage Divider	CF-5 5kV	HILOK
Attenuator	A10 50 ohms	HILOK
Measurement Analysis Software	MAS3000, including optical fiber module	3ctest
Oscilloscope	MDO3012	Tektronix
Decoupled Network Power Supply	Single-phase AC0 ~ 500V 5A 3kW, isolated power supply	



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