

## Automatic impulse current test system

## LCG 50A



### As per

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

### Description

LCG 50A series impulse current simulator is featured with high system integration, intelligent control and easy operation. Output can be divided into multiple levels by different combination of main circuit units to widen output range. Setting test requirements on parameters setting page, test can be conducted with one button.

### Features

- > color touch screen, easy operation
- > PLC control system, powerful and stable immunity system
- > controlled by manual, automatic or programmable to different test requirements
- > multiple measurement ranges output, minimum current is 1kA
- > controlled silicon continuous current for charging to save energy
- > protection function, visual and audible alarm
- > measure and analyze waveform parameters automatically

### Industries

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

General data	
Power supply	AC220V ± 10%, 50/60Hz 60A
Temperature	10—40℃
Humidity	35%-85%RH (no condensation)
Ground resistance	No more than 0.5Ω
Technical parameters	
Output waveform	10/350μs±10% current wave
Output peak current	1kA~50kA±10%
Voltage polarity	+/-, (Switch automatically)
Charging time	Less than 80%: full within 60s More than 80%: full within 120s
Instability of charging voltage	Less than 1%
Trigger mode	Automatic or manual, single trigger available
Trigger malfunction rate	Less than 1%
Trigger range	100% rated charging voltage
Phase angle	0~360°Step 1°
Phase control resolution	±3°

Optional accessories		
Name	Specification	Brand
Current measurement coil	TR1330 100kA	HILOK
Residual voltage divider	CF-5 5kV	HILOK
Attenuator	A10 50 ohm	HILOK
Measurement and analysis software	MAS3000, including fiber-optic module	3ctest
Oscilloscope	MDO3012	Tektronix
Decoupling network mains	Single phase AC0~500V 5A 3kW, isolated mains	



## CONNECT 3CTEST

### SUZHOU3CTEST ELECTRONIC CO., LTD

Unit 2,Anda Industrial park,Jinshan Rd, SND,Suzhou, 215011,China  
 Tel: +86-512-68413700/3800/3900  
 Fax: +86-512-68079795  
 Web: www.3ctest.cn  
 Email: info@3ctest.cn

### SHENZHEN OFFICE

Room 402, the 4th floor, Fuan Technology Building, No.13,  
 Nanshan Technology Park, 518053, Shenzhen, China  
 Tel: +86-755-86626625/ 86344313  
 Fax: +86-755-26966255

### TESTEK Co. , LTD

Contact person : Mr.Sungoh Woo  
 Email : woo@testek.co.kr  
 Tel : 070-4099-2072 / H.P : 010-6500-6648  
 Address : 601Ho, SungwoonKoa, 141 Hyeonam-ro, Suji-Gu, Yongin-Si,  
 Gyeonggi-Do, 448-808

### Europe: AR Europe

Yvonne McGlinchey  
 ymcglinchey@ARWorld.US  
 +353 61 504300  
 Address: First Floor Ashling Building, National Technology  
 Park, Limerick, Ireland

### BEIJING OFFICE

Room D206, D block, Keshi Building, No.28, Shangdixinxi  
 Road, Haidian District,Beijing  
 Tel: +86-10-82899948/ 82899984  
 Fax: +86-10-82899943

### CHENGDU OFFICE

Room 1501,Unit 3, Ideal Centre,No.38 Tianyi Street, SND,  
 6100085,Chengdu,China  
 Tel: +86-28-85327800/85327600  
 Fax: +86-28-85311400

### TAIWAN OFFICE

6F-5, No. 130, Ln. 235, Baoqiao Rd,  
 Xindian District, New Taipei City, 23145, Taiwan  
 Tel: +886-2-89121185 Fax : 886-2-89121812  
 Email: rich.tec@msa.hinet.net