



Impulse Current Simulator

S6C1000

- IEC 61643-11
- GB/T 18802.11

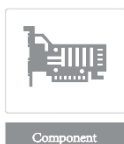
Features

- > 5.7-inch color touch screen front panel operation
- > Max. test current 10 kA
- > Support text sequence function and easy operation
- > Built-in fault alarm function

Introduction

The S6C1000 is a new type of impulse current simulator developed in compliance with IEC 61643-11 and GB/T 18802.11. It can output an 8/20 μ s impulse current waveform with a Max. impulse current of 10 kA.

Application Areas



Technical Parameters

Test Current Range	0.1 A ~ 10 kA, $\pm 10\%$, Calibration current starts from 0.5 kA.
Charging Voltage	< 6 kV
Compensation Voltage Range	0 ~ 2 kV
Current Waveform	Rise time: $8 \mu\text{s} \pm 10\%$ Duration time: $20 \mu\text{s} \pm 10\%$
Output Polarity	Positive, negative, alternative
Pulse Period	5 s ~ 99 s (The minimum time depends on the test voltage)
Source Output Impedance	< 0.6 Ω
Test Count	1 ~ 10,000
Trigger Mode	Manual, Auto, External Trigger

General Parameters

Display Screen	5.7" TFT touch screen
Working Power	AC 110 V/220 V, $\pm 10\%$, 50/60 Hz $\pm 5\%$
Fuse	6 A
Max. Power Consumption	500 W
External Control Mode	25-pin parallel cable
External Trigger Input	BNC, 5 V TTL normally open contact. Triggered by oscilloscope when the internal circuit is closed.
Operation Control Input	BNC, 5 V TTL
Failure Detection	LCD display in front panel and stop work when failure occurs
Working Status Indication	LED indication and LCD display in front panel
Grounding Method	Flat grounding wire
Communication Mode	Ethernet LAN, RJ45
Dimension	6U rack
Weight	Approx. 30 kg
Atmospheric Pressure	86 kPa ~ 106 kPa
Ambient Temperature	15°C ~ 35°C
Relative Humidity	45% ~ 75%

Standard Accessories

Three-core Power Cord, User Manual, Test Cables, Grounding Wire, Fuse

Optional Accessories

1	Broadband Current Monitor Clamp	Model: CM 0301M	
2	PC Control Software	Model: Corelab > Support Windows 7/8/10; > Support Ethernet Interface; > Support sequence test, easy to operate, generate and export test report.	

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