



Impulse Current Simulator

S5C800

- IEC 61643-11
- GB/T 18802.11

Features

- > 5.7-inch color touch screen front panel operation
- > Max. test current 8,000 A
- > Support text sequence function and easy operation
- > Built-in fault alarm function

Introduction

The S5C800 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. output current of 8,000 A.

Application Areas



Technical Parameters

Test Current Range	20 A ~ 8,000 A, $\pm 10\%$
Current Waveform	Front time: $8\ \mu\text{s} \pm 10\%$ Time to half value: $20\ \mu\text{s} \pm 10\%$ Front time definition: 1.25^* (10% ~ 90%) Time to half value definition: 1.18^* (50% ~ 50%)
Effective Output Impedance	$14.5\ \Omega$ ($20\ \text{A} \leq I < 200\ \text{A}$) $0.5\ \Omega$ ($200\ \text{A} \leq I \leq 8,000\ \text{A}$)
Output Polarity	Positive, negative, alternative
Charging Voltage	Max. 5 kV
Pulse Period	5 s ~ 180 s
Test Count	1 ~ 10,000
Trigger Mode	Manual, Auto, External Trigger

General Parameters

Display Screen	5.7" TFT touch screen
Working Power	AC 220 V, $\pm 10\%$, 50 Hz $\pm 5\%$
Fuse	6 A
Max. Power Consumption	300 W
Communication Mode	Ethernet LAN
External Trigger Input	BNC, 5 V TTL
CRO Trigger Output	BNC, 5 V TTL
Operation Control Input	BNC, 5 V TTL
Grounding Method	Flat grounding wire
Dimension	6U rack, 620 * 450 * 280 mm
Weight	Approx. 30 kg
Atmospheric Pressure	86 kPa ~ 106 kPa
Ambient Temperature	$15^\circ\text{C} \sim 35^\circ\text{C}$
Relative Humidity	45% ~ 75%

Standard Accessories

Power Cord, User Manual, Test Cables, Grounding Wire, Fuse

SUZHOU 3CTEST ELECTRONIC CO., LTD.

Address: No. 99 E'meishan Road, SND, Suzhou, Jiangsu Province, China

E-mail: globalsales@3ctest.cn

Service: service@3ctest.cn

Tel: +86 - 512 - 68077192

Web: www.3ctest.com



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