



Impulse Current Simulator

S06C100

- IEC 61643-11
- GB/T 18802.11

Features

- > 5.7-inch color touch screen front panel operation
- > Max. test current 1,000 A
- > Support text sequence function and easy operation
- > Built-in fault alarm function

Introduction

The S06C100 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 1,000 A.

Application Areas



Technical Parameters

Test Current Range	500 A ~ 1,000 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: $1.25^* (10\% \sim 90\%)$ Time to half value definition: $1.18^* (50\% \sim 50\%)$
Output Polarity	Positive, negative, alternative
Charging Voltage	$< 0.6\ \text{kV}$
Pulse Period	5 s ~ 180 s (The minimum time depends on the test voltage)
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
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
Communication Mode	Ethernet LAN
Dimension	4U rack, 620(L) * 450(W) * 190(H) mm
Weight	Approx. 19 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

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