

Impulse Current Simulator

S10E2000



- GB/T 16927.1
- GB/T 16927.4
- GB/T 18802.11

Features

- > 5.7-inch color touch screen front panel operation
- > Max. test current 20 kA
- > Support text sequence function and easy operation
- > Built-in fault alarm function

Introduction

The S10E2000 is a new type of impulse current simulator developed in compliance with GB/T 16927.1, GB/T 16927.4 and GB/T 18802.11 . It can output a 20/50 μ s impulse current waveform with a Max. output current of 20 kA.

Application Areas



Technical Parameters

Test Current Range	500 A ~ 20,000 A, $\pm 10\%$; Reverse Polarity Peak Current $\leq 20\%$
Current Waveform	Front time: $20\ \mu\text{s} \pm 10\%$ Time to half value: $50\ \mu\text{s} \pm 10\%$ Front time definition: 1.25^* (10% ~ 90%) Time to half value definition: 0% ~ 50%
Effective Output Impedance	$2\ \Omega$ ($500\ \text{A} \leq I \leq 5,000\ \text{A}$) $0.5\ \Omega$ ($5,000\ \text{A} < I \leq 20,000\ \text{A}$)
Peak Current Detection	LCD display
Charging Voltage	Max. 10 kV
Output Polarity	Positive, negative, alternative
Pulse Period	11 s ~ 180 s
Source Output Impedance	$< 0.6\ \Omega$
Test Count	1 ~ 999
Trigger Mode	Manual, Auto, External Trigger

General Parameters

Display Screen	5.7" TFT touch screen
Working Power	AC 220 V, $\pm 10\%$, 50/60 Hz
Fuse	10 A
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
Dimension	35 U rack, 600 mm(W)*800 mm(H)*1,850 mm(D)
Weight	Approx. 280 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, RF Cable

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