

Impulse Current Simulator

S5A300

- IEC 61643-11
- GB/T 18802.11

Features

- > 5.7-inch color touch screen front panel operation
- > Max. test current 3,000A
- > Convenient operation
- > Ethernet LAN communication, stable and reliable

Introduction

The S5A300 is a new type of impulse current simulator developed in compliance with IEC 61643-11. It can output a 10/350 μ s impulse current waveform with a Max. output current of 3,000 A.

Application Areas



Technical Parameters

Test Current Range	100 A ~ 3,000 A, $\pm 10\%$
Current Waveform	Front time: $10\ \mu\text{s} \pm 10\%$ Time to half value: $350\ \mu\text{s} \pm 10\%$ Front time definition: $1.25 \times \text{rise time (10\%--90\%)}$ Time to half value definition: $50\% \sim 50\%$
Output Polarity	Positive, negative, alternative
Pulse Period	5 s ~ 180 s
Test Count	1 ~ 10,000
Output Port	6 mm Banana Socket
Trigger Mode	Manual, Auto, External Trigger
Communication Mode	Ethernet, RJ45
Auxiliary Interface	D-sub 25p
Safety Circuit	Stop working when the safety loop is not closed

General Parameters

Display Screen	5.7" TFT touch screen
Working Power	AC 220 V, $\pm 10\%$, 50 Hz
Fuse	10 A
Max. Power Consumption	1,200 W
External Trigger Input	BNC, 5 V TTL
CRO Trigger Output	BNC, 5 V TTL
Operation Control Input	BNC, 5 V TTL
Dimension	19 U/22 U rack, 600(W) * 1,250(H) * 800(D) mm
Weight	Approx. 175 kg
Atmospheric Pressure	86 kPa ~ 106 kPa
Ambient Temperature	$15^{\circ}\text{C} \sim 35^{\circ}\text{C}$
Relative Humidity	45% ~ 75%, RH(no condensation)

Standard Accessories

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

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