

Impulse Current Simulator

S5A300

- IEC 61643-11:2011
- GB/T 18802.11:2020



Features

- > 5.7-inch color touch screen front panel operation
- > Max test current 3000 A
- > Convenient operation
- > Ethernet LAN communication, stable and reliable

Introduction

The S5A300 is a new type of surge current simulator developed based on the standard IEC 61643-11. It can output a 10/350 μ s pulse current waveform with a maximum output current of 3000 A.

Application Areas



Technical Parameters

Test Current Range	100 A ~ 3000 A, $\pm 10\%$
Current Waveform	Wavefront time: $10\ \mu\text{s} \pm 10\%$ Half peak time: $350\ \mu\text{s} \pm 10\%$ The wavefront time is defined as $1.25 \times \text{rise time (10\% ~ 90\%)}$ Half peak time is defined as: 50% ~ 50%
Output Polarity	Positive, Negative, Alternate
Pulse Period	5 s ~ 180 s
Times of Test	1 ~ 10000 times
Output Port	6 mm banana socket
Trigger Mode	Manual, Auto, External Trigger
External Trigger Input	BNC, 5V TTL
CRO Triggers Output	BNC, 5V TTL
Operation Control Input	BNC, 5V TTL
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-inch color touch screen
Working Power	AC 220 V $\pm 10\%$, 50 Hz
Fuses	10 A
Maximum Power Consumption	1200 W
Dimension	19 inches/22U 600 mm (W) * 1250 mm (H) * 800 mm (D)
Weight	Approx. 175 kg
Ambient Temperature	$15^{\circ}\text{C} \sim 35^{\circ}\text{C}$
Relative Humidity	45% ~ 75%, RH (no condensation)
Atmospheric Pressure	86kPa ~ 106kPa

Standard Accessories

Power Cord, Instruction Manual, Test Wire, Grounding Wire, Fuse, Calibration Report, User Manual, Product Warranty Certificate

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