



Impulse Current Simulator

S5D60



- IEC 61643-11
- GB/T 18802.11

Features

- > 5.7-inch color touch screen front panel operation;
- > The test current can reach 600 A;
- > Test scheduling function, easy to operate;
- > Built in fault alarm function in the system.

Introduction

S5D60 is a new type of impulse current simulator developed according to the requirements of IEC 61643-11 and GB/T 18802.11 standards. It can output 10/1000 μ s pulse current waveform with a maximum output current of 600 A.

Application Areas



General Parameters

Display	5.7-inch TFT touch screen
Scope of Working Power Supply	AC 220 V, $\pm 10\%$, 50 Hz $\pm 5\%$
Fuse	6 A
Maximum Power Consumption	300 W
Communication Method	Ethernet LAN
External Trigger Input	BNC, 5V TTL
CRO Triggers Output	BNC, 5V TTL
Operation Control Input	BNC, 5V TTL
Instrument Grounding Connection Method	Use a flat grounding wire
Chassis Size	22U L * W * H: 1250 * 800 * 600 mm
Instrument Weight	About 160 kg
Environmental Scope	15 °C ~ 35 °C
Pressure Range	86 kPa ~ 106 kPa
Humidity Range	45% ~ 75%

Technical Parameters

Test Current Range	0.5 A ~ 600 A ($\pm 10\% \pm 0.5$ A)
Current Wavefront Time	10 μ s $\pm 20\%$, wavefront time definition: 1.25 * (10%~90%)
Half Peak Time of Current	1000 μ s $\pm 20\%$, definition of half peak time: 50%~50%
Equivalent Output Impedance	$< 170 \Omega$ (0.5 A $\leq I \leq 30$ A) $< 0.5 \Omega$ (30 A $< I \leq 600$ A)
Output Polarity	Positive, negative, first positive and then negative
Charging Voltage	Up to 5.5 kV
Test Interval	5 s~180 s (the shortest time depends on the test voltage)
Test Frequency	1 ~ 10000
Pulse Triggering Method	Manual, automatic, externally triggered

Standard Accessories

Test Line, Power Line, Grounding Wire, Fuse (spare parts), Instruction Manual, Factory Report.

SUZHOU3CTEST ELECTRONIC CO., LTD

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

Sales Email: globalsales@3ctest.cn Service Email: service@3ctest.cn

Tel: + 86 - 512 - 68077192 Web: www.3c-test.com

