



Impulse Current Simulator

PCC 10000&S6C3000

- IEC 61643-11
- GB/T 18802.11

Features

- > 5.7-inch color touch screen front panel operation
- > The max. test current is 30 kA
- > Generates 8/20 μ s current waveform
- > Test sequence function
- > Built-in system fault alarm function

Introduction

The PCC 10000 & S10C3000 is a new type of impulse current simulator developed in accordance with IEC 61643-11 and GB/T 18802.11. It can output standard 8/20 μ s current waveform with a peak impulse current up to 30 kA. The equipment features simple, efficient operation and high reliability.

Application Areas



Technical Parameters

Test Current	0.25 kA ~ 30 kA $\pm 10\%$
Charging Voltage	<6 kV
Current Waveform	Rise time: 8 μs $\pm 10\%$ Duration: 20 μs $\pm 10\%$
Output Polarity	+, -, first + than -
Source Output Impedance	<0.2 Ω
Repetition Rate	5 s ~ 99 s (Minimum interval depends on test current)
Test Cycles	1 ~ 10,000
Trigger Mode	Manual, Auto, External Trigger

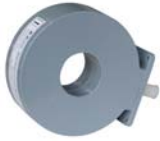
General Parameters

Working Power	AC 110 V/220 V $\pm 10\%$, 50/60 Hz
Fuse	6 A
Max. Power Consumption	500 W
Communication	Ethernet LAN, RJ45
External Control Mode	25-pin parallel cable
External Trigger Input	BNC, 5 V TTL; Normally open contact. The unit can be triggered by oscilloscope when internal circuit closes
Operation Control Input	BNC, 5 V TTL
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	PCC 10000: 4U rack, 450(W)*190(H)*620(D) mm S6C3000: 6U rack, 450(W)*280(H)*620(D) mm
Weight	PCC 10000: Approx. 16 kg S6C3000: Approx. 38 kg
Ambient Temperature	15°C ~ 35°C
Relative Humidity	45% ~ 75%
Atmospheric Pressure	86 kPa ~ 106 kPa

Standard Accessories

User Manual, Three-core Power Cord, Fuse, Grounding Wire, Test Cable

Optional Accessories

1	Wide-band Current Monitor	Model: CM 0301M	
2	PC Control Software	Model: Corelab Compatible with Windows 7 and Windows XP. It features user-friendly operation with an elegant and intuitive interface. Equipped with comprehensive operation functions and standard test libraries.	

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