



Impulse Current Control Box

MCS2000-6U

Impulse Current Simulator

S12A500

■ IEC 61643-11

Features

- > 10 inch color touch screen front panel operation ;
- > The test current can reach 5000A;
- > Easy to operate;
- > The control box is separated from the simulator and can be remotely controlled;
- > Fiber optic communication, stable and reliable.

Introduction

The impulse current testing system consists of a control box MCS2000-6U and a simulator S12A500. It can output a 10/350 μ s pulse current waveform with a maximum output current of 5000A.

Application Areas



Technical Parameters

Test Current Range	100 A - 5000 A ($\pm 10\%$)
Current Waveform	Wavefront time: $10 \mu\text{s} \pm 20\%$ Half peak time: $350 \mu\text{s} \pm 20\%$ The wavefront time is defined as 0% -90% Half peak time is defined as 0% -50%
Polarity	Positive
Source Output Impedance	2.5Ω

General Parameters

Display Screen	10 inches color screen
Working power supply range	AC 220V, $\pm 10\%$, 50/60 Hz $\pm 5\%$ (Domestic default AC 220 V 50 Hz)
Fuse	6A (MCS2000-6U)/10A (S12A500)
Maximum Power Consumption	1500 W
Pulse Triggering Method	Automatic
Grounded Port	Using a flat grounding wire
Chassis size	6U L * W * H: 550 * 280 * 450 (MCS2000-6U) 35U L * W * H: 800 * 600 * 1850 mm (S12A500)
Instrument weight	Approximately 15 kg (MCS2000-6U) Approximately 300 kg (S12A500)
Environmental scope	$15^{\circ}\text{C} - 35^{\circ}\text{C}$
Pressure range	86 kPa - 106 kPa
Humidity range	45% - 75%

Standard Accessories

Test wires, Fuses, Power Lines, Grounding Wires, Factory Reports and Manuals.

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