3CTEST

High-power Short-time Overcurrent Simulator

ICG 3600

- ANSI C12.02
- GB/T 17215.301
- GB/T 17215.322

Features

> Emergency protection button
> LCD display with current measurement and acquisition system
> Built-in high-power voltage (current) regulator with intelligent CPU control
> High-power IGBT semiconductor switches for safe and reliable operation

Introduction

The ICG 3600 High-Power Short-Time Overcurrent Simulator is a test instrument designed in accordance with ANSI C12.02-2001. It is suitable for evaluating the immunity of electricity meters against high-current disturbances at 50 Hz/60 Hz power frequency.

Application Areas

Technical Parameters

Input Voltage	AC 220 V, 100 A
Output Voltage	0.01 V ~ 6 V
Output Current	10 A ~ 3,600 A
Output Current Accuracy	-10% ~ 0
Output Waveform	Sine wave
Frequency	50 Hz / 60 Hz
Current Injection Duration	1 ms ~ 9,999 ms / 0.1 ~ 500 circles
Output Impedance	0.001 Ω
Output Phase Angle	0°
Test Interval	1 s ~ 9,999 s
Counter	1 ~ 9,999
Trigger Mode	Manual, automatic

General Parameters

Display Screen	5.7'' TFT touch screen
Working Power	AC 220 V (±10%), 50/60 Hz
Fuse	6 A
Max. Power Consumption	200 VA
Grounding Method	Flat grounding wire
Dimension	22U rack*2, 1,200 mm*1,250 mm*800 mm
Weight	Approx. 282 kg
Atmospheric Pressure	86 kPa ~ 106 kPa
Ambient Temperature	15°C ~ 35°C
Relative Humidity	25% ~ 75%

Standard Accessories

Main Unit, Power Cord, Test Cable, Grounding Wire, Fuse, User Manual

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