

# High-power Short-time Overcurrent Simulator

## ICG 3000.1



- 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 regulator with intelligent CPU control
- > High-power IGBT semiconductor switch for safe and reliable operation

### Introduction

The ICG 3000.1 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 110 V, 120 A                     |
| Output Voltage             | 0.01 V ~ 3.3 V                      |
| Output Current             | 10 A ~ 3,000 A                      |
| Output Current Accuracy    | -10% ~ 0                            |
| Output Waveform            | Sine wave                           |
| Output Frequency           | 50 Hz / 60 Hz                       |
| Current Injection Duration | 1 ms ~ 9,999 ms / 0.1 ~ 500 circles |
| Output Impedance           | 0.001 $\Omega$                      |
| Output Phase Angle         | 0°                                  |
| Test Interval              | 1 s ~ 9,999 s                       |
| Counter                    | 1 ~ 9,999                           |
| Test Mode                  | Manual, automatic                   |

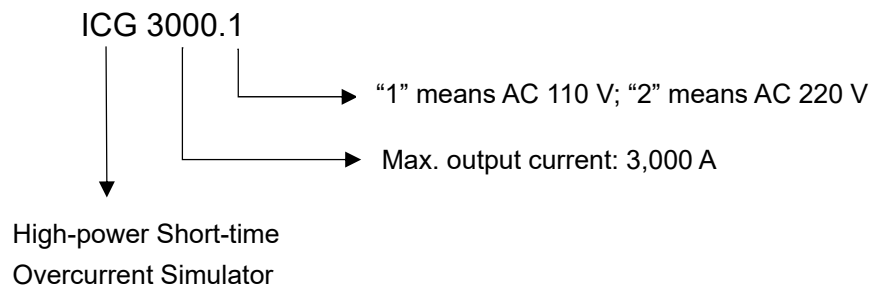
## General Parameters

|                      |                                         |
|----------------------|-----------------------------------------|
| Working Power        | AC 110 V/220 V ( $\pm 10\%$ ), 50/60 Hz |
| Dimension            | 22U rack, 1,200 mm*1,250 mm*800 mm      |
| Weight               | Approx. 200 kg                          |
| Atmospheric Pressure | 86 kPa ~ 106 kPa                        |
| Ambient Temperature  | 15°C ~ 35°C                             |
| Relative Humidity    | 25% ~ 75%                               |

## Standard Accessories

Main Unit, Power Cord, Test Cables, Flat Grounding Wire, Fuse, User Manual

## Naming Rules



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