

# 6003A

## Three Phase Power Calibrator

### Safety Information

### Introduction

This document supplies safety information for the 6003A Three Phase Power Calibrator (the Product).

### Contact Fluke Calibration

To contact Fluke Calibration, call one of the following telephone numbers:

- Technical Support USA: 1-877-355-3225
- Calibration/Repair USA: 1-877-355-3225
- Canada: 1-800-36-FLUKE (1-800-363-5853)
- Europe: +31-40-2675-200
- Japan: +81-3-6714-3114
- Singapore: +65-6799-5566
- China: +86-400-810-3435
- Brazil: +55-11-3759-7600
- Anywhere in the world: +1-425-446-6110

To see product information and download the latest manual supplements, visit Fluke Calibration's website at [www.flukecal.com](http://www.flukecal.com).

To register your product, visit <http://flukecal.com/register-product>.

### Safety Specifications

#### Input Power

Voltage ..... 115 V/230 V  $\pm$ 10 %, 47 Hz to 63 Hz, 1875 VA max.

#### Temperature

Operating..... 5 °C to 40 °C  
 Calibration ..... 21 °C to 25 °C  
 Storage..... -10 °C to 55 °C  
 Transit ..... -15 °C to 60 °C

#### Relative Humidity (non-condensing)

Operating ..... <80 % 5 °C to 31 °C ramping linearly down to 50 % at 35 °C  
 Storage ..... <90 % -10 °C to 55 °C

#### Altitude

Operating..... 2000 m maximum  
 Storage..... 0 m to 12000 m

#### Safety

IEC 61010-1, IEC 61010-2-030, Overvoltage category II, Pollution Degree 2

## Safety Information

A **Warning** identifies conditions and procedures that are dangerous to the user.









### Warning

To prevent possible electrical shock, fire, or personal injury:

- Read all safety information before you use the Product.
- Carefully read all instructions.
- Two people are necessary to move or lift the Product. Always use correct lifting techniques. The Product has a mass of 62 kg.
- Use this Product indoors only.
- Do not use the Product around explosive gas, vapor, or in damp or wet environments.
- Do not use an extension cord or adapter plug.
- Do not put the Product where access to the mains power cord is blocked.
- Use only the mains power cord and connector approved for the voltage and plug configuration in your country and rated for the Product.
- Make sure the ground conductor in the mains power cord is connected to a protective earth ground. Disruption of the protective earth could put voltage on the chassis that could cause death.
- Replace the mains power cord if the insulation is damaged or if the insulation shows signs of wear.
- Examine the case before you use the Product. Look for cracks or missing plastic. Carefully look at the insulation around the terminals.
- Do not connect to live output terminals. The Product can supply voltages that can cause death. Standby mode is not sufficient to prevent electrical shock.
- Before changing the fuse, turn the Product off and remove the mains power cord. Stop for two minutes to let the power assemblies discharge before you open the fuse door.
- Do not apply more than the rated voltage, between the terminals or between each terminal and earth ground.
- Do not touch voltages > 30 V ac rms, 42 V ac peak, or 60 V dc.
- Use only cables with correct voltage ratings.
- Never connect the Product current output terminals to a voltage source other than the Product voltage output terminals.
- Use extreme caution around the output terminals. Lethal voltages may be present.
- Make sure the Product is in standby mode and external circuits are not energized before you connect or disconnect cables between the Product and the equipment under test.
- Do not enable voltage outputs unless the cables between the Product and equipment under test are connected or disconnected at both ends of the cable.
- Do not connect any connector or terminal, other than the mains power inlet, to line power.
- Whenever it is likely that safety protection has been impaired, the Product must be made inoperative and be secured against any unintended operation. Inform qualified maintenance or repair personnel. Safety protection is likely to be impaired if, for example, the Product shows visible damage or fails to operate normally.
- Use the Product only as specified, or the protection supplied by the Product can be compromised.
- Do not use the Product if it operates incorrectly.
- Do not operate the Product with covers removed or the case open. Hazardous voltage exposure is possible.
- Remove the input signals before you clean the Product.
- Use only specified replacement parts.
- Use only specified replacement fuses.
- Have an approved technician repair the Product.

The symbols used in the manuals and on the Product are shown below.

**Symbols**

Symbol	Description
	Hazardous voltage. Risk of electric shock.
	Risk of Danger. Important information. See Manual.
	Earth Terminal
	Conforms to relevant North American Safety Standards.
	Conforms to European Union directives
	Conforms to relevant Australian EMC standards
	Conforms to relevant South Korean EMC Standards.
	This product complies with the WEEE Directive (2002/96/EC) marking requirements. The affixed label indicates that you must not discard this electrical/electronic product in domestic household waste. Product Category: With reference to the equipment types in the WEEE Directive Annex I, this product is classed as category 9 "Monitoring and Control Instrumentation" product. Do not dispose of this product as unsorted municipal waste. Go to Fluke's website for recycling information.

**LIMITED WARRANTY AND LIMITATION OF LIABILITY**

This Fluke product will be free from defects in material and workmanship for one year from the date of purchase. This warranty does not cover fuses, disposable batteries, or damage from accident, neglect, misuse, alteration, contamination, or abnormal conditions of operation or handling. Resellers are not authorized to extend any other warranty on Fluke's behalf. To obtain service during the warranty period, contact your nearest Fluke authorized service center to obtain return authorization information, then send the product to that Service Center with a description of the problem.

**THIS WARRANTY IS YOUR ONLY REMEDY. NO OTHER WARRANTIES, SUCH AS FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSED OR IMPLIED. FLUKE IS NOT LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LOSSES, ARISING FROM ANY CAUSE OR THEORY.** Since some states or countries do not allow the exclusion or limitation of an implied warranty or of incidental or consequential damages, this limitation of liability may not apply to you.

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