

# 5560A/5550A/5540A

## Calibrator

### Safety Information



1-year limited warranty. See the Operators Manual for the full warranty.

### Contact Fluke Calibration

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

### Introduction

The 5560A/5550A/5540A Calibrators (the Product) is a programmable precision instrument capable of calibrating a wide variety of electronic instruments, including 6.5 digit Digital Multimeters (DMMs).

### 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.
- Do not alter the Product and use only as specified, or the protection supplied by the Product can be compromised.
- Do not use the Product if it is altered or damaged.
- Do not use the Product around explosive gas, vapor, or in damp or wet environments.

- Do not use the Product if it operates incorrectly.
- Examine the case before you use the Product. Look for cracks or missing plastic. Carefully look at the insulation around the terminals.
- Use this Product indoors only.
- 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.
- Replace the mains power cord if the insulation is damaged or if the insulation shows signs of wear.
- 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.
- Connect an approved three-conductor mains power cord to a grounded power outlet.
- Do not use an extension cord or adapter plug.
- Do not touch voltages >30 V ac rms, 42 V ac peak, or 60 V dc.

PN 5037050

March 2022

©2022 Fluke Corporation. All rights reserved.

All product names are trademarks of their respective companies.







Fluke Corporation  
P.O. Box 9090  
Everett, WA 98206-9090  
U.S.A.

Fluke Europe B.V.  
PO Box 1186  
5602 BD  
EindhovenThe Netherlands

- Use only cables with correct voltage ratings.
- Properly terminate the sense leads to prevent exposure to hazardous voltages on the sense terminals. The voltage sense terminals are at output voltage when the two-wire function is set.
- Do not touch exposed metal on banana plugs, they can have voltages that could cause death.
- Do not connect to live output terminals. The Product can supply voltages that can cause death.
- Do not apply more than the rated voltage, between the terminals or between each terminal and earth ground.
- Do not operate the Product with covers removed or the case open. Hazardous voltage exposure is possible.
- Have an approved technician repair the Product.
- Use only specified replacement parts.
- Use only specified replacement fuses.
- For safe operation and maintenance of the Product, turn off the Product and remove the mains power cord. Stop for 2 minutes to let the internal circuits discharge before you open the fuse door or remove Product covers.

## Symbols

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

Symbol	Description
	WARNING. HAZARDOUS VOLTAGE. Risk of electric shock.
	WARNING. RISK OF DANGER.
	Consult user documentation.
	Conforms to European Union directives.
	Fuse
	This product complies with the WEEE Directive 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.

## Safety Specifications

Full specifications are located online in the *5560A/5550A/5540A Specifications*.

### Temperature

Operating ..... 0 °C to 50 °C  
Storage ..... -20 °C to 70 °C.

### Relative Humidity

Operating ..... <80 % to 30 °C, <70 % to 40 °C,  
<40 % to 50 °C  
Storage ..... <95 %, non-condensing

### Altitude

Operating ..... 0 m to 3050 m (10 000 ft)

**Safety** ..... IEC 61010-1: Overvoltage Category II,  
Pollution Degree 2;  
IEC 61010-2-0300

### Electromagnetic Compatibility (EMC)

IEC 61326-1 ..... CISPR 11: Group 1, Class A

*Group 1 has intentionally generated and/or use conductively coupled radio-frequency energy which is necessary for the internal functioning of the equipment itself.*

*Class A equipment is equipment suitable for use in all establishments other than domestic and those directly connected to a low voltage power supply network which supplies buildings used for domestic purposes. Caution - There may be potential difficulties in ensuring electromagnetic compatibility in other environments, due to conducted and radiated disturbances.*

*Emissions which exceed the levels required by CISPR 11 can occur when the equipment is connected to a test object.*

USA (FCC) ..... 47 CFR 15 subpart B, this product is considered an exempt device per clause 15.103

Korea (KCC) ..... Class A Equipment (Industrial Broadcasting & Communication Equipment)

*This product meets requirements for industrial (Class A) electromagnetic wave equipment and the seller or user should take notice of it. This equipment is intended for use in business environments and not to be used in homes.*

**Mains Power** ..... Line Voltage (automatic selection):  
100 V – 120 V, 220 V – 240 V  
(±10 %)

**Fuse Ratings** ..... Line Frequency: 47 Hz to 63 Hz  
T 5 A 250 V (100 V to 120 V),  
T 2.5 A 250 V (220 V to 240 V)

Max Power Consumption ..... 500 VA

Weight (without options) ..... 22 kg (49 lb)