FLUKE ®
Calibration

5730A
Multifunction Calibrator

Safety Information

1-Year Limited Warranty.
See the Users Manual for the full warranty.

Introduction

Use the 5730A Multifunction Calibrator (the Product) to calibrate a wide variety of electrical measurement instruments. The Product calibrates precision multimeters that measure ac or dc voltage, ac or dc current, and resistance.

Contact Fluke

Fluke Corporation operates worldwide. For local contact information, go to our website: www.flukecal.com.

To register your product, or to view, print, or download the latest manual or manual supplement, go to our website: www.fluke.com/productinfo.

+1-425-446-5500 info@flukecal.com

Product Use

For complete Product use instructions, download the Operators Manual at www.flukecal.com.

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Safety Information

A **Warning** identifies hazardous conditions and procedures that are dangerous to the user. A **Caution** identifies conditions and procedures that can cause damage to the Product or the equipment under test.

⚠⚠ Warning

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

- **Read all safety information before you use the Product.**
- **Do not alter the Product and use only as specified, or the protection supplied by the Product can be compromised.**
- **Carefully read all instructions.**
- **Do not use the Product if it operates incorrectly.**
- **Do not use the Product if it is altered or damaged.**
- **Do not touch voltages >30 V ac rms, 42 V ac peak, or 60 V dc.**
- **Do not work alone.**
- **Do not use the Product around explosive gas, vapor, or in damp or wet environments.**
- **Use this Product indoors only.**
- **Examine the case before you use the Product. Look for cracks or missing plastic. Carefully look at the insulation around the terminals.**
- **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.**
- **Do not use an extension cord or adapter plug.**

- **Do not operate the Product with covers removed or the case open. Hazardous voltage exposure is possible.**
- **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.**
- **Do not apply more than the rated voltage, between the terminals or between each terminal and earth ground.**
- **Use only cables with correct voltage ratings.**
- **Do not touch exposed metal on banana plugs, they can have voltages that could cause death.**
- **Do not touch voltages >30 V ac rms, 42 V ac peak, or 60 V dc.**
- **Use the Product only as specified, or the protection supplied by the Product can be compromised.**
- **Use only specified replacement parts.**
- **Use only specified replacement fuses.**
- **Have an approved technician repair the Product.**
- **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 table below lists the symbols that can be used on the Product or in this document.

Table 1.

Symbol	Description
	Consult user documentation.
	WARNING. RISK OF DANGER.
	WARNING. HAZARDOUS VOLTAGE. Risk of electric shock.
	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. Do not dispose of this product as unsorted municipal waste.

Safety Specifications

Safety Specifications are below. Complete specifications are at www.flukecal.com.

Size

5730A

Height ..... 17.8 cm (7 in), standard rack increment, plus 1.5 cm (0.6 in) for feet

Width ..... 43.2 cm (17 in), standard rack width

Depth ..... 64.8 cm (25.5 in), overall; 59.4 cm (23.4 in), rack depth

5725A

Height ..... 13.3 cm (5.25 in)

Width and Depth ..... Both units project 5.1 cm (2 in) from rack front.

Weight

5730A ..... 27 kg (62 lb)

5725A ..... 32 kg (70 lb)

Line Power

Line Voltage

5730A ..... 100 V to 120 V, 220 V- 240 V 10 %

5725A ..... 100 V, 110 V, 115 V, 120 V, 200 V, 220 V, 230 V, 240 V, 10 %

Line Frequency ..... 47 Hz to 63 Hz

Maximum Power

5730A ..... 300 VA

5725A ..... 750 VA

Operating Altitude ..... 2000 m maximum

Temperature Performance

Operating ..... 0 °C to 50 °C

Calibration ..... 15 °C to 35 °C

Storage ..... -40 °C to 75 °C

Relative Humidity

Operating ..... <80 % to 30 °C, <70 % to 40 °C, <40 % to 50 °C

Storage ..... <95 %, non-condensing. A power stabilization period of four days may be required after extended storage at high temperature and humidity

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

Electromagnetic Compatibility (EMC)

IEC 61326-1

(Controlled EM environment)	IEC 61326-2-1; CISPR 11: Group 1, Class A
	Group 1 equipment 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.
	Emissions which exceed the levels required by CISPR 11 can occur when the equipment is connected to a test object. The equipment may not meet the immunity requirements of 61326-1 when test leads and/or test probes are connected.
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.