

1550C/1555

Insulation Tester

Safety Information



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

Go to www.fluke.com to register your Product and find more information.

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

Warnings

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

- Carefully read all instructions.
- 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.
- Do not use the Product around explosive gas, vapor, or in damp or wet environments.
- Do not use the Product if it is altered or damaged.
- Do not use the Product if it operates incorrectly.
- Use Product-approved measurement category (CAT), voltage, and amperage rated accessories (probes, test leads, and adapters) for all measurements.
- Do not exceed the Measurement Category (CAT) rating of the lowest rated individual component of a Product, probe, or accessory.
- Do not use in CAT III or CAT IV environments without the protective cap installed on test probe. The protective cap decreases the exposed probe metal to <4 mm. This decreases the possibility of arc flash from short circuits.
- Comply with local and national safety codes. Use personal protective equipment (approved rubber gloves, face protection, and flame-resistant clothes) to prevent shock and arc blast injury where hazardous live conductors are exposed.

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Specifications are subject to change without notification.

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- **Examine the case before you use the Product. Look for cracks or missing plastic. Carefully look at the insulation around the terminals.**
- **Do not use test leads if they are damaged. Examine the test leads for damaged insulation and measure a known voltage.**
- **Do not touch voltages >30 V ac rms, 42 V ac peak, or 60 V dc.**
- **Do not apply more than the rated voltage, between the terminals or between each terminal and earth ground.**
- **Measure a known voltage first to make sure that the Product operates correctly.**
- **Limit operation to the specified measurement category, voltage, or amperage ratings.**
- **Remove all probes, test leads, and accessories before the battery door is opened.**
- **Remove all probes, test leads, and accessories that are not necessary for the measurement.**
- **Keep fingers behind the finger guards on the probes.**
- **Use the correct terminals, function, and range for measurements.**
- **Place test leads in proper input terminals.**
- **Do not work alone.**
- **Do not use in distribution systems with voltages higher than 1100 V.**
- **Use only recommended test leads.**
- **Remove all power from the circuit under test and discharge circuit capacitance before testing resistance or capacitor with the tester.**
- **Results of measurement can be adversely affected by the impedances of additional operating circuits connected in parallel or by transient currents.**
- **Before and after testing, confirm that the Product does not indicate the presence of a hazardous voltage. If a hazardous voltage is shown on the display, remove power from the circuit under test or allow the installation capacitance to fully discharge.**
- **Do not disconnect the test leads before a test has been completed and the test voltage at the terminals has returned to zero. This ensures that any charged capacitance is fully discharged.**
- **Use the guard terminal only as specified in this manual. Do not allow other foreign objects coming into contact with the guard terminals as safety may be compromised.**
- **Remove the input signals before you clean the Product.**
- **Use only specified replacement parts.**
- **Repair the Product before use if the battery leaks.**
- **Do not operate the Product with covers removed or the case open. Hazardous voltage exposure is possible.**
- **Have an approved technician repair the Product.**

Safety Specifications

Operating Temperature.... -20 °C to +50 °C (-4 °F to +122 °F)

Storage Temperature -20 °C to +65 °C (-4 °F to +149 °F)

Relative Humidity 80 % to 31 °C decreasing linearly to
50 % at 50 °C

Altitude 2000 m

IP Rating..... IEC 60529: IP40

Overload Protection 1000 V ac

Battery 12 V lead-acid rechargeable

Charger Input (AC) 85 V to 250 V ac, 50/60 Hz, 20 VA
This Class II (double insulated)
instrument is supplied with a Class 1
(grounded) power cord. The protective
earth terminal (ground pin) is not
connected internally. The extra pin is for
added plug retention only.

Safety..... IEC 61010-1: 600 V CAT IV /
1000 V CAT III Pollution Degree 2

Electromagnetic Compatibility (EMC)

International..... IEC 61326-1: Portable

CISPR 11: Group 1, Class A

*Group 1: Equipment has intentionally generated and/or uses
conductively-coupled radio frequency energy that is necessary
for the internal function of the equipment itself.*

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

*Caution: This equipment is not intended for use in residential
environments and may not provide adequate protection to radio
reception in such environments.*

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

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

*Class A: Equipment meets requirements for industrial
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.*

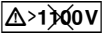
USA (FCC) 47 CFR 15 subpart B. This product is
considered an exempt device per clause
15.103.

Wireless Radio with Adapter

Frequency Range 2412 MHz to 2462 MHz

Output Power <100 mW

Symbols

Symbol	Description
	WARNING. RISK OF DANGER.
	WARNING. HAZARDOUS VOLTAGE. Risk of electric shock.
	Consult user documentation.
	Double Insulated
	Earth
	AC (Alternating Current)
	Electrical breakdown
	WARNING. Do not apply greater than 1100 Volts.
	Interference is present. Displayed value might be outside of specified accuracy.
	Ramp mode indicator
	Battery
CAT II	Measurement Category II is applicable to test and measuring circuits connected directly to utilization points (socket outlets and similar points) of the low-voltage MAINS installation.
CAT III	Measurement Category III is applicable to test and measuring circuits connected to the distribution part of the building's low-voltage MAINS installation.
CAT IV	Measurement Category IV is applicable to test and measuring circuits connected at the source of the building's low-voltage MAINS installation.
CE	Conforms to European Union directives.
	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.