

# 1507/1503

## Insulation Testers

### *Safety Information*



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

Go to Fluke's website at [www.fluke.com](http://www.fluke.com) to read the User Manual and find more information about your Product.

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

To view, print, or download the manual and the latest manual supplement, visit <http://us.fluke.com/user/support/manuals>.

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

#### **Warnings**

**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 around explosive gas, vapor, or in damp or wet environments.**
- **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.**
- **Do not work alone.**
- **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 the Product if it is altered or damaged.**

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Specifications are subject to change without notification.

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корпус 9, подъезд 4, 1 этаж

- Do not use test leads if they are damaged. Examine the test leads for damaged insulation, exposed metal, or if the wear indicator shows. Check test lead continuity.
- 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.
- Use the correct terminals, function, and range for measurements.
- 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.
- Remove all probes, test leads, and accessories that are not necessary for the measurement.
- Keep fingers behind the finger guards on the probes.
- Measure a known voltage first to make sure that the Product operates correctly.
- Always de-energize circuits before you do resistance tests.
- Replace a blown fuse with exact replacement only for continued protection against arc flash.
- Remove the batteries if the Product is not used for an extended period of time, or if stored in temperatures above 50 °C. If the batteries are not removed, battery leakage may result.
- Replace the batteries when the low battery indicator shows to prevent incorrect measurements.
- Remove all probes, test leads, and accessories before the battery door is opened.
- Replace all batteries with fresh batteries of the same manufacturer and type to prevent battery leakage.
- Repair the Product before use if the battery leaks. Battery leakage may create a shock hazard or damage the Product.
- The battery door must be closed and locked before you operate the Product.
- Do not operate the Product with covers removed or the case open. Hazardous voltage exposure is possible.
- Have an approved technician repair the Product.

# Specifications

Maximum Voltage between any Terminal and Earth.....	600 V
Batteries .....	Four AA batteries (IEC LR6)
Storage Temperature .....	-40 °C to 60 °C
Operating Temperature .....	-20 °C to 55 °C
Temperature Coefficient.....	0.05 x (specified accuracy) per °C for temperatures <18 °C or >28 °C
Relative Humidity .....	Noncondensing 0 % to 95 % @ 10 °C to 30 °C 0 % to 75 % @ 30 °C to 40 °C 0 % to 40 % @ 40 °C to 55 °C

## Altitude

Operating.....	2000 m
Storage.....	12 000 m

## Safety

General.....	IEC 61010-1: Pollution Degree 2
Measurement .....	IEC 61010-2-030; CAT IV 600 V IEC 61010-031, IEC 61557-1, IEC 61557-2, IEC 61557-4, IEC 61557-10

## Electromagnetic Compatibility (EMC)

International.....	IEC 61326-1: Portable Electromagnetic Environment CISPR 11: Group 1, Class A
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*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.*








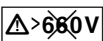





*Class A: Equipment is suitable for use in all establishments other than domestic and those directly connected to a low-voltage power supply network that supplies buildings used for domestic purposes. There may be potential difficulties in ensuring electromagnetic compatibility in other environments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

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

Symbol	Description
	WARNING. RISK OF DANGER.
	WARNING. HAZARDOUS VOLTAGE. Risk of electric shock.
	Consult user documentation.
	Double Insulated
	Earth
	Battery
	Fuse
	WARNING. Do not use in distribution systems with voltage >660 Volts.
<b>CAT II</b>	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.
<b>CAT III</b>	Measurement Category III is applicable to test and measuring circuits connected to the distribution part of the building's low-voltage MAINS installation.
<b>CAT IV</b>	Measurement Category IV is applicable to test and measuring circuits connected at the source of the building's low-voltage MAINS installation.
	Conforms to relevant South Korean EMC Standards.
	Conforms to European Union directives.
	Certified by CSA Group to North American safety standards
	Conforms to relevant Australian Safety and EMC standards.
	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.