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Clamp Meter

Safety Information

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

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

Safety Information

A **Warning** identifies hazardous 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.**
- **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 touch voltages >30 V ac rms, 42 V ac peak, or 60 V dc.**

PN 6042072 (English)
12/2024
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- **Do not work alone.**
- **Limit operation to the specified measurement category, voltage, or amperage ratings.**
- **Do not exceed the Measurement Category (CAT) rating of the lowest-rated individual component of a Product, probe, or accessory.**
- **Use Product-approved Measurement Category (CAT), voltage, and amperage-rated accessories (probes, test leads, and adapters) for all measurements.**
- **Do not make connections on hazardous live conductors 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 use a current measurement as an indication that a circuit is safe to touch. A voltage measurement is necessary to know if a circuit is hazardous.**
- **Remove the input signals before you clean the Product.**
- **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.**
- **Measure a known voltage first to make sure that the Product operates correctly.**
- **Use the correct terminals, function, and range for measurements.**
- **Do not use the Product around explosive gas, vapor, or in damp or wet environments.**
- **Use only specified replacement parts.**
- **Have an approved technician repair the Product.**
- **Do not use the HOLD function to measure unknown potentials. When HOLD is turned on, the display does not change when a different potential is measured.**
- **Disable the Product if it is damaged.**

- **Examine the case before you use the Product. Look for cracks or missing plastic. Carefully look at the insulation around the terminals.**
- **Disconnect power and discharge all high-voltage capacitors before you measure resistance, continuity, capacitance, or a diode junction.**
- **Do not apply more than the rated voltage, between the terminals or between each terminal and earth ground.**
- **Measure for hazardous voltage without the Low-Pass Filter.**
- **Keep fingers behind the finger guards on the probes.**
- **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.**
- **Do not use test leads if they are damaged. Examine the test leads for damaged insulation and measure a known voltage.**
- **Hold the Product behind the tactile barrier.**
- **Before each use, examine the Product. Look for cracks or missing pieces of the clamp housing or output cable insulation. Also look for loose or weakened components. Carefully examine the insulation around the jaws.**
- **Do not use the Product above its rated frequency.**
- **Do not use the Product if the wear indicator in the jaw opening is visible.**
- **Batteries contain hazardous chemicals that can cause burns or explode. If exposure to chemicals occurs, clean with water and get medical aid.**
- **Repair the Product before use if the battery leaks. Battery leakage may create a shock hazard or damage the Product.**
- **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.**
- **The battery door must be closed and locked before you operate the Product.**
- **Do not disassemble or crush battery cells and battery packs.**

- **Do not put battery cells and battery packs near heat or fire. Do not put in sunlight.**
- **Remove all probes, test leads, and accessories before the battery door is opened.**
- **Do not keep cells or batteries in a container where the terminals can be shorted.**
- **Use replacement cells that have closely-matched capacities, are of the same design, chemistry, age, and are from the same manufacturer. Mismatched batteries can lead to gas formation and subsequent cell rupture.**

Symbols

The table below lists the symbols that can be used on the Product or in this document.

Symbol	Description
⚠	WARNING. RISK OF DANGER.
⚠	WARNING. HAZARDOUS VOLTAGE. Risk of electric shock.
📖	Consult user documentation.
⏚	Earth Ground
~	Alternating Current
⎓	Direct Current
⚡	Application around and removal from uninsulated hazardous live conductors is permitted.
⧈	Double Insulated
🔋	Battery
CAT II	MEASUREMENT CAT 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 CAT 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.

Safety Specifications

For complete product specifications, go to www.fluke.com to see the Users Manual.

Maximum voltage between any Terminal and Earth Ground.....1000 V

Batteries.....6 AA IEC LR6

Safety .....IEC 61010-1 Pollution degree 2

IEC 61010-2-032 CAT IV 600 V, CAT III 1000 V

Operating Temperature.....32 °F to +122 °F

(0 °C to +50 °C)

Storage Temperature .....-4 °F to 140 °F

(-20 °C to +60 °C)

Operating Humidity .....0 to 95 % (non-condensing)

Operating Altitude .....2000 m

Storage Altitude .....10,000 m

IP Rating .....42 non-operating

EMC

IEC 61326-1 .....Portable Electromagnetic Environment; IEC 61326-2-2

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 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. 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.

CISPR 11: Group 1, Class B

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 B: Equipment is suitable for use in domestic establishments and in establishments directly connected to a low voltage power supply network which supplies buildings used for domestic purposes.