377/377 FC
378/378 FC
Clamp Meter

Safety Information



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

Go to www.fluke.com to register your Product, read the Users Manual, and find more information.

A **Warning** identifies 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:

- **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 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.**

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- **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.**
- **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 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 measure current while the test leads are in the input jacks.**
- **Do not apply more than the rated voltage, between the terminals or between each terminal and earth ground.**
- **De-energize the circuit or wear personal protective equipment in compliance with local requirements before you apply or remove the Flexible Current Probe.**
- **Measure a known voltage first to make sure that the Product operates correctly.**
- **Limit operation to the specified measurement category, voltage, or amperage ratings.**
- **The battery door must be closed and locked before you operate the Product.**
- **Remove all probes, test leads, and accessories before the battery door is opened.**
- **Keep fingers behind the finger guards on the probes.**
- **Hold the Product behind the tactile barrier.**
- **Replace the batteries when the low battery indicator shows to prevent incorrect measurements.**
- **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.**
- **Disconnect power and discharge all high-voltage capacitors before you measure resistance, continuity, capacitance, or a diode junction.**
- **Remove the input signals before you clean the Product.**
- **Repair the Product before use if the battery leaks. Battery leakage may create a shock hazard or damage the Product.**
- **Use only specified replacement parts.**
- **Have an approved technician repair 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.**

Symbols

Symbol	Description
	WARNING. HAZARDOUS VOLTAGE. Risk of electric shock.
	WARNING. RISK OF DANGER.
	Consult user documentation.
OFF	Turn off the Product.
	FieldSense Measurement: Fluke voltage/current sensing technique.
	AC (Alternating Current)
	DC (Direct Current)
	Battery
	Earth
	Double Insulated
	Application around and removal from uninsulated hazardous live conductors is permitted.
CE	Conforms to European Union directives.
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.
	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

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

Battery

Type ..... 2 AA IEC LR6 alkaline

Life..... 200 hr

Temperature

Operating..... -10 °C to +50 °C

Storage..... -40 °C to +60 °C

Operating Humidity ..... Non condensing (<10 °C)
90 % RH (@ 10 °C to 30 °C)
≤75 % RH (@ 30 °C to 40 °C)
≤45 % RH (@40 °C to 50 °C)

Operating Altitude ..... 2000 m

Storage Altitude..... 12 000 m

Safety..... IEC 61010-1, Pollution Degree 2
IEC 61010-2-032: CAT III 1000 V / CAT IV 600 V
IEC 61010-2-033: CAT III 1000 V / CAT IV 600 V

Ingress Protection (IP) Rating ..... IEC 60529: IP30

Radio frequency certification..... FCC ID: T68-FBLE, IC: 6627A-FBLE

SIMPLIFIED EU DECLARATION OF CONFORMITY

Hereby, Fluke declares that the radio equipment contained in this Product is in compliance with Directive 2014/53/EU. The full text of the EU declaration is available at the following Internet address: www.fluke.com/en-us/declaration-of-conformity

Electromagnetic Compatibility (EMC)

International..... IEC 61326-1: Portable, Electromagnetic Environment, IEC 61326-2-2
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.

Korea (KCC)..... Class A equipment (Industrial Broadcast & Communications 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.

Complete specifications are at www.fluke.com.
See the *377/377 FC / 378/378 FC Product Specifications*.

Software License Notice

To obtain software licenses for Fluke products, go to:
www.fluke.com/en-us/support/software-licenses

For products containing software licensed under the *GNU General Public License (GPL) or Lesser GNU General Public License (LGPL)*, the complete corresponding sources are available. You can order a complete machine-readable copy of the source code from Fluke Corporation for a period of three (3) years after receipt of the product.

Send a written request to:

Open Source Request
Fluke Corporation
6920 Seaway Blvd
Everett, WA 98203

Please include:

- **Full name**
- **Company name**
- **Product model**
- **Return mailing address**
- **Email address (if available)**
- **Firmware version number (see Users Manual)**

Note

Fluke Corporation may charge a fee to cover the cost of this distribution. This offer is valid to anyone in receipt of this information.