

# a3000 FC

## Wireless AC Clamp

### *Safety Information*



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

Go to [www.fluke.com](http://www.fluke.com) to register your Product and find more information.

A **Warning** identifies 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.**
- **Limit operation to the specified measurement category, voltage, or amperage ratings.**
- **Do not touch voltages >30 V ac rms, 42 V ac peak, or 60 V dc.**
- **Do not use the Product around explosive gas, vapor, or in damp or wet environments.**
- **Do not use the Product if it is damaged.**
- **Disable the Product if it is damaged.**
- **Do not use the Product if it operates incorrectly.**
- **The battery door must be closed and locked before you operate the Product.**
- **Replace the batteries when the low battery indicator shows to prevent incorrect measurements.**

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Specifications are subject to change without notification.

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корпус 9, подъезд 4, 1 этаж

- Have an approved technician repair the Product.
- Use only specified replacement parts.
- Do not work alone.
- 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 operate the Product with covers removed or the case open. Hazardous voltage exposure is possible.
- Remove the input signals before you clean the Product.

For safe operation and maintenance of the Product:

- Remove batteries to prevent battery leakage and damage to the Product if it is not used for an extended period.
- Repair the Product before use if the battery leaks.
- Be sure that the battery polarity is correct to prevent battery leakage.
- Batteries contain hazardous chemicals that can cause burns or explode. If exposure to chemicals occurs, clean with water and get medical aid.

## ***Safety Specifications***

**Range** ..... 400.0 A ac

**Battery** ..... Two AA, IEC LR6

### **Temperature**

Operating..... -10 °C to +50 °C

Storage..... -40 °C to +60 °C

### **Operating Relative**

**Humidity** ..... 90 % at 35 °C

75 % at 40 °C

45 % at 50 °C

### **Altitude**

Operating..... 2000 m

Storage..... 12 000 m

**Ingress Protection** ..... IEC 60529: IP30 (non-operating)

## Safety

- General..... IEC 61010-1: Pollution Degree 2  
Measurement ..... IEC 61010-2-032 CAT IV 300 V /  
CAT III 600 V

## Electromagnetic Compatibility (EMC)

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

- Frequency Range..... 2412 MHz to 2462 MHz  
Output Power ..... <10 mW

## Symbols

Symbol	Description
	WARNING. RISK OF DANGER.
	WARNING. HAZARDOUS VOLTAGE. Risk of electric shock.
	Consult user documentation.
	Double Insulated
	Battery
<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 European Union directives.
	Certified by CSA Group to North American safety standards.
	Conforms to relevant South Korean EMC standards.
	Conforms to relevant Australian 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.