

## FOR USE BY COMPETENT PERSONS

Anyone using this instrument should be knowledgeable and trained about the risks involved with measuring voltage, especially in an industrial setting, and the importance of taking safety precautions and of testing the instrument before and after using it to ensure that it is in good working condition.

# 1AC II VoltAlert

## Instruction Sheet

### Read First: Safety Information

#### Warning

To prevent possible electric shock or personal injury:

- Read all safety information before you use the Product.
- Do not rely on the Tester to detect the presence or absence of voltage on a conductor for safety purposes. A single pole non-contact voltage detector such as this Tester is NOT suitable to determine if a circuit is hazardous. A volt meter or 2-pole voltage detector is necessary to confirm the absence of hazardous voltage prior to commencing work
- Hold the Product behind the tactile barrier.
- Do not use the Product around explosive gas, vapor, or in damp or wet environments.
- Replace all alkaline batteries with fresh batteries of the same manufacturer and type to prevent battery leakage.
- Remove the alkaline 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.
- Repair the Product before use if the battery leaks. Battery leakage may create a shock hazard or damage the Product.
- Alkaline batteries contain hazardous chemicals that can cause burns. If exposure to chemicals occurs, clean with water and get medical aid.
- If the Tester is used in a manner not specified by the manufacturer, protection provided by the Tester may be affected.
- Do not use if VoltBeat is not flashing.
- Test on a known live source within the rated ac voltage range of the product, both before and after use to ensure unit is in good working condition.
- When using the Tester, if tip does not glow, voltage could still be present. The Tester indicates active voltage in the presence of AC electric fields of sufficient strength emanating from the conductor. If the field strength is low, the Tester may not provide indication of live voltages. Lack of an indication occurs if the Tester is unable to sense the presence of the electric field which may be influenced by several factors including, but not limited to:
  - Shielded wire/cables
  - Thickness and type of insulation
  - Distance from the voltage source
  - Fully-isolated users that prevent an effective ground
  - Receptacles in recessed sockets/ differences in socket design
  - Condition of the Tester and Batteries
- Do not use if the Tester appears damaged or if the Tester is not operating properly. Specifically examine the probe tip for cracks or breakage before use. If in doubt, have the Tester serviced.
- Do not apply more than the rated voltage as marked on the Tester.
- Use caution with voltages above 30 V ac as a shock hazard may exist.
- 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.

**Safety:** IEC 61010-1: Pollution Degree 2; IEC 61010-2-030: CAT IV 1000 V

**Electromagnetic Environment:** IEC 61326-1: Portable Electromagnetic Environment; CISPR 11: Group 1, Class B

**Electromagnetic Compatibility:** Applies to use in Korea only. Class A Equipment (Industrial Broadcasting & Communication Equipment)<sup>[1]</sup>

<sup>[1]</sup> This product meets requirements for industrial (Class A) electromagnetic wave equipment and the seller or user should take notice of it. This equipment is intended for use in business environments and is not to be used in homes.

**Voltage Detection Range:**

Model	Region	Range
A1/A2	N. America, S. America, Asia	90 V ac to 1000 V ac
E1/E2	Europe	200 V ac to 1000 V ac
LAC (low voltage)	N. America	20 V ac to 90 V ac
C	China	90 V ac to 1000 V ac

**Operating/Storage Temperature:** -10 °C to 50 °C

**Operating Relative Humidity:**






0 % to 95 %..... 0 °C to 30 °C

0 % to 75 %..... 30 °C to 40 °C

0 % to 45 %..... 40 °C to 50 °C


**Altitude:** 3000 m

## Symbols


	Consult user documentation.
	WARNING. HAZARDOUS VOLTAGE. Risk of electric shock.
	WARNING. RISK OF DANGER.
	Double Insulated
	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.
<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.

## Operating Instructions

### Power On

Momentarily push . Listen for a double beep to confirm activation. A continual VoltBeat flash visually indicates the Tester is active.

### Power Off

Press and hold  for more than half a second. Listen for a long half-second beep to confirm deactivation of the Tester. The absence of the VoltBeat flash indicates the Tester is inactive.

### VoltBeat (System Self-Test)

VoltBeat is a self-test feature for visual confirmation of battery and system integrity, and power on. It provides a double-flash every two seconds during normal operation.

### Check for the Presence of AC Voltage

Placing the tip of the unit near an ac voltage produces a steady glow at the tip and, if enabled, a continual beep.

### Auto Power Off

After about five minutes of non-use, the Tester automatically powers off to save battery life. A double beep, followed by a longer, single beep, provides audible indication that the Tester has powered off. The absence of the VoltBeat flash serves as a visual power-off indication.

### Disabling the Beeper

Disable the beeper by holding the green button down for more than two seconds during power up. To enable the beeper again, turn the Tester off, and then turn it on.

### Low Battery Indication

When the battery voltage drops below two volts, VoltBeat provides visual indication by stopping the VoltBeat flash. Replace with two AAA (LR3) batteries.

### Cleaning

Clean with damp cloth.

### Contact Fluke

Fluke Corporation operates worldwide. For local contact information, go to our website:

[www.fluke.com](http://www.fluke.com)

To register your product, view, print, or download the latest manual or manual supplement, go to our website.

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## LIMITED WARRANTY AND LIMITATION OF LIABILITY

This Fluke product will be free from defects in material and workmanship for two years from the date of purchase. This warranty does not cover fuses, disposable batteries, or damage from accident, neglect, misuse, alteration, contamination, or abnormal conditions of operation or handling. Resellers are not authorized to extend any other warranty on Fluke's behalf. To obtain service during the warranty period, contact your nearest Fluke authorized service center to obtain return authorization information, then send the product to that Service Center with a description of the problem.

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