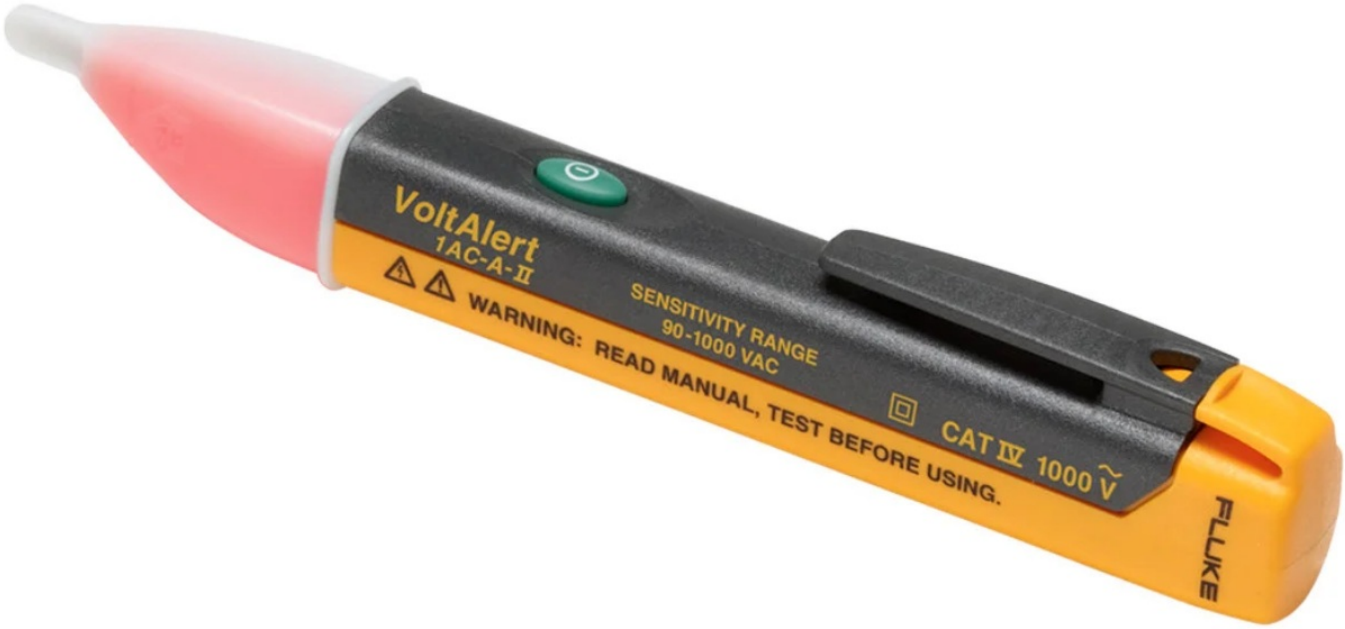
Fluke 1AC-II Non-Contact Voltage Tester Specification & DataSheet

Contents

Fluke 1AC-II Non-Contact Voltage Tester



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.

Safety Information

Warning

To avoid possible electric shock or personal injury:

- 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 the unit is in good working condition.
- When using the Tester, if the tip does not glow, the voltage could still be present. The Tester indicates active voltage in the presence of electrostatic fields of sufficient strength generated from the source (MAINS) voltage. 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 voltage 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 requirements.
- Use proper protective equipment as required by local or national authorities.

Table 1. Symbols

	Double Insulated.
	Hazardous Voltage. Risk of electric shock.
	Risk of danger. Important information. See Instruction Sheet.
	Conforms to relevant Canadian and US Standards.
	Conforms to relevant European Union directives.
	Conforms to relevant Australian standards.
	Do not dispose of this product as unsorted municipal waste. Go to Fluke's website for recycling information.
CAT IV	Equipment is designed to protect against transients from the primary supply level. (i.e. – electricity meter or overhead /underground utility service).

- **Safety Compliance:** Meets IEC 61010-1:2001, UL 61010-1 (2nd ed.), CAN/CSA-C22.2 No. 61010-1-04, and ISA-82.02.01
- **EMC Compliance:** Meets IEC 61326-1:2006
- **Operating:** 90 V ac to 1000 V ac (A1/A2), 200 V to 1000 V ac (E1/E2/P1), 20 V to 90 V ac (LAC)
- **Temperature:** Operating: -10 to 50 °C Storage: -10 to 50 °C
- **Humidity:** 0 % to 95 % (0 to 30 °C)
- **Altitude:** 3000 m
- **Pollution Degree**: 2

July 2009

Operating Instructions

- **Turning the Tester On**
  Momentarily press the green button. Listen for a double beep to confirm activation. A continual VoltBeat flash visually indicates the Tester is active.
- **Turning the Tester Off**
  Press and hold the green button 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.
- **Checking 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 an 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 a visual indication by stopping the VoltBeat flash. Replace with two AAA (LR3) batteries.
- **Cleaning**
  Clean with a damp cloth.

Contacting Fluke

- **Technical Support USA:** 1-800-44-FLUKE (1-800-443-5853)
- **Calibration/Repair USA:** 1-888-99-FLUKE (1-888-993-5853)
- **Canada:** 1-800-36-FLUKE (1-800-363-5853)
- **Anywhere in the world:** +1-425-446-5500

Or, visit Fluke's website at **www.fluke.com**.

To register your product, visit **https://forms.fluke.com/registration-country-select**.

To view, print, or download the latest manual supplement, visit **http://us.fluke.com/usen/support/manuals**.

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.

THIS WARRANTY IS YOUR ONLY REMEDY. NO OTHER WARRANTIES, SUCH AS FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSED OR IMPLIED. FLUKE IS NOT LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LOSSES, ARISING FROM ANY CAUSE OR THEORY. Since some states or countries do not allow the exclusion or limitation of an implied warranty or of incidental or consequential damages, this limitation of liability may not apply to you.

Fluke Corporation P.O. Box 9090 Everett, WA 98206-9090 U.S.A.

Fluke Europe B.V. P.O. Box 1186 5602 BD Eindhoven The Netherlands

FREQUENTLY ASKED QUESTIONS

What is the brand and model of this non-contact voltage tester?

The brand is Fluke, and the model is 1AC-II.

What is the price of the Fluke 1AC-II Non-Contact Voltage Tester?

The Fluke 1AC-II is priced at $29.24.

What type of power source does the Fluke 1AC-II use?

The Fluke 1AC-II is powered by alkaline batteries.

What is the style of the Fluke 1AC-II?

The style is an AC voltage detector with a range of 90-1000V.

What are the product dimensions of the Fluke 1AC-II?

The product dimensions are 10.24 x 7.5 x 1.46 inches.

How much does the Fluke 1AC-II weigh?

The weight of the Fluke 1AC-II is 2.08 ounces.

What type of batteries does the Fluke 1AC-II require?

The Fluke 1AC-II requires 2 AAA batteries.

Who is the manufacturer of the Fluke 1AC-II?

The manufacturer of the Fluke 1AC-II is Fluke.

What is the warranty period for the Fluke 1AC-II?

The Fluke 1AC-II comes with a 2-year warranty.

How does the Fluke 1AC-II indicate voltage detection?

Upon detection, the tip glows, and a beeping sound is emitted.

What is the CAT rating for the Fluke 1AC-II?

The Fluke 1AC-II has a CAT IV 1000 V rating for added protection.

What is the expanded voltage detection range of the Fluke 1AC-II?

The expanded voltage detection range is from 90 V AC to 1000 V AC.

What makes the Fluke 1AC-II user-friendly?

Its continuous self-test feature and clear indicators make the Fluke 1AC-II user-friendly for both professionals and DIY users.

Can the Fluke 1AC-II be used to test low voltages?

Fluke 1AC-II can detect voltages as low as 90 V AC.

Why won't the Fluke 1AC-II Non-Contact Voltage Tester turn on?

Ensure that the batteries are installed correctly and are not depleted. If the tester still does not power on, replace the batteries with new ones.

DOWNLOAD THE PDF LINK: **Fluke 1AC-II Non-Contact Voltage Tester Specification & DataSheet**

REFERENCE: **Fluke 1AC-II Non-Contact Voltage Tester Specification & DataSheet-Device.Report**

References

- **User Manual**