1AC-II/1LAC-II VoltAlert
The pocket-sized voltage detector

The next generation VoltAlert™ ac voltage testers from Fluke are easy to use—just touch the tip to a terminal strip, outlet, or cord. When the tip glows red and the unit beeps, you know there’s voltage in the line. Electricians, maintenance, service, safety personnel, and homeowners can quickly test for energized circuits and defective grounds on the factory floor, in the shop, or at home.

- The 1AC-II continually tests its battery and its circuit integrity with a periodic double flash visual indication using Fluke Voltbeat™ technology.
- The VoltAlert™ Tester (1AC-II and 1LAC-II) is a Category IV —1000 V overvoltage rated product for added user protection, the highest rated of its kind.
- Voltage detection of 90 V to 1000 V ac or 200 V to 1000 V ac depending on model, as well as a 24 V to 1000 V ac control circuit model.
- It is rugged, reliable, and has a two-year warranty.

Specifications

Operating principle
Senses the steady state electrostatic field produced by ac voltage through insulation without requiring contact to the bare conductor. A red glow at the tip and a beeping noise (if not switched OFF) indicates the presence of voltage.

Note: Does not respond to random electrostatic discharge.

Voltage sensing ranges
Nominally, 90 V AC to 1000 V AC or 200 V AC to 1000 V AC depending on model, 45 Hz to 405 Hz; also a 20 V to 90 V control circuit model

Detector tip style
Blade or round, depending on model

Light source
One high intensity red LED

Agency approvals/listings
c CSA us, CE, C-Tick

Safety rating
1000 V, CAT IV

IP rating
IP 40

Operating temperature range
-10 °C to 50 °C

Operating humidity ranges
0 % to 95 % (0 °C to 30 °C)
0 % to 75 % (30 °C to 40 °C)
0 % to 45 % (40 °C to 55 °C)

Operating altitude
3000 meters

Batteries
2 AAA alkaline batteries included
Related standards and regulations for:

**Safety**
Europe and ROW: Low voltage directive and related standards as: EN61010 respectively IEC61010 for international requirements

**EMC**
Europe and ROW: EMC directive and related standards as: EN61326 respectively IEC61326 and their subset for ESD. Not all EMC standards are necessary due to no contact to mains voltage.

**Environmental**
Especially in European markets with relations to WEEE and RoHs directive for the used materials and information in the user documentation (manual)

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**Ordering Information**

- **Fluke-1AC-A1-II** ACV Detector 90–1000V, ENGL/LASPN/CFR
  Part Number 2432932
- **Fluke-1AC-A2-II** ACV Detector 90–1000V, BRPORT/JAP/CHIN-T
  Part # 2432944
- **Fluke-1AC-E1-II** ACV Detector 200–1000V, ENGL/GER/FREN/DUTCH
  Part # 2432967
- **Fluke-1AC-E2-II** ACV Detector 200–1000V, DANSN/NORW/SWED
  Part # 2432971
- **Fluke-1AC-P1-II** ACV Detector 200–1000V, KOR/THAI/SPANISH
  Part #2433000
- **Fluke-1LAC-A-II** Low Voltage Detector 20–90 VAC AMERICANS PACIFIC
  Part # 2433021
- **FLK-1AC-A1-II-5PK** Volt Alert, 5 Pack For USA
  Part # 2433042
- **FLK-1AC-E1-II-5PK** Volt Alert, 5 Pack For EUROPE
  Part #2433056
Mouser Electronics

Authorized Distributor

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