Fluke 1AC-II / 1LAC-II VoltAlert

The pocket-sized voltage detector

The next generation VoltAlert™ AC non-contact voltage testers from Fluke are easy to use — just touch the tip to a terminal strip, outlet, or supply cord. When the tip glows red and the unit beeps, you know there's voltage present. Electricians, maintenance, service, safety personnel, and homeowners can quickly test for energized circuits in the workplace or at home.

Model Name	Description	
Fluke 1AC A1 II	ACV Detector 90-1000V, ENGL/LASPN/CFR Flat-tip	
Fluke 1AC A2 II	ACV Detector 90-1000V, BRPORT/JAP/CHIN-T Round-tip	
Fluke 1AC E1 II	ACV Detector 200-1000V, ENGL/Ger/FREN/ DUTCH Round-tip	
Fluke 1AC E2 II	ACV Detector 200-1000V, DANSH/NORW/SWED Round-tip	
Fluke 1AC P1 II	ACV Detector 200-1000V, KOR/THAI/SPANISH Flat-tip	
Fluke 1LAC A II	Low Voltage Detector 20-90 VAC AMERICAS PACIFIC Round-tip	
Fluke 1AC A1 II 5PK	Volt Alert, 5 Pack For USA, ENGL/LASPN/CFR Flat-tip	
Fluke 1AC E1 II 5PK	Volt Alert, 5 Pack For EUROPE, ENGL/SPN/FREN Round-tip	

FLUKE®

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Technical Data

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.

N10140

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, TUV, 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 documetation (manual)

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, DANSH/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 AMERICAS 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

Americas version

European version

Low volt version

Fluke. *Keeping your world up and running.*