

VF1

AC Voltage Detector



- **Non-contact detection of a.c. voltage**
- **Built-in bright white LED torch**
- **Bright red voltage indicator in tip**
- **Suitable for detecting voltage at socket outlets or against wire insulation**
- **CAT III 1000 V**

DESCRIPTION

The Megger VF1 voltage detector is a convenient, compact pen-style instrument designed to identify the presence of live a.c. voltages from 100 V to 600 V at 50 or 60 Hz. Voltage is capacitively detected, signalled by the illumination of a bright red LED situated within the white nylon tip. If the tip is placed in the proximity of a live supply, the a.c. signal couples through the tip with respect to ground, the detection circuit activates and the tip glows bright red.

The VF1 also incorporates a flashlight torch for use in low light level situations. Low current consumption and therefore extended battery life are achieved by the use of a bright-white LED rather than a conventional tungsten filament bulb, also providing a substantially more robust solution.

Battery drain in the stand-by condition is very low, and battery life would exceed 1 year. A good set of alkaline batteries will provide 50 hours of flashlight use, or 30 hours of non-contact voltage indication.

The tough rubber over-moulded body provides easy and comfortable grip, while providing durability while stored in a tool box or pocket.

APPLICATIONS

Note: The VF1 cannot detect voltage on shielded conductors such as those within or behind metallic or conductive panels, in metal conduit, armoured cable etc.

The Megger VF1 can be used for identifying the presence of a.c. voltage at socket outlets, switches, circuit breakers, fuses, luminaries, wires and cables. It can identify breaks in conductors by tracing along the cable from the source to the point where the indicator no longer illuminates; and also identify a blown fuse while in circuit.

SPECIFICATION**Voltage range**

100 V to 600 V AC 50/60 Hz

Operating Temperature

-10°C to +50°C

Humidity

0 to 30°C 95%Rh

30 to 40°C 75%Rh

40 to 50°C 45%Rh

Safety rating

IEC/EN61010-1:2001-02 over voltage Cat III 1000 V

EMC

IEC/EN 61326:1998

Battery

2 x AAA (IEC LR03)

Battery Life**Standby:** > 1 year**Flashlight:** 50 hours**Volt Indicator:** 30 hours (continuous)**Dimensions**

176mm x 26mm

Weight

48g

(including batteries)

ORDERING INFORMATION

Item (Qty)	Order Code
Box of 10 VF1 AC Voltage Detectors (only available as a box of 10, not as individual instruments)	VF1-EN

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Registered to ISO 14001 Reg no. EMS 61597

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