

Product Datasheet - Technical Specifications



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NON-CONTACT VOLTAGE DETECTOR + FLASHLIGHT

FLIR VP42™



The FLIR VP42 is a high-quality non-contact AC voltage detector (NCV) and flashlight that offers high-end features, making it the best value product in its category. The reliable, durable detector includes a bright flashlight, a vibration feedback alarm, and a CAT IV safety rating. Use it to identify live and neutral wires in sockets and junction boxes, and to trace live and neutral wires without contact. The VP42 is the right choice for field-troubleshooting and verification of electrical installations within residential, commercial, and industrial buildings.



RUGGED AND RELIABLE

Features a high-quality, durable design for safety and long-term, trouble-free operation

- Detect voltage in electrical systems in large industrial facilities and residential low-voltage installations
- Never miss voltage presence with the tactile vibration and LED alarms – even in dark or noisy areas
- Durable to withstand a 3 m drop
- Work safely with the CAT IV safety rating

EASY TO USE

Offers an ergonomic design that's easy to grip and operate

- Avoid touching live wires with NCV technology
- Reduce risk of dropping the VP42 with double molded slip-resistant grip and an anti-roll case
- Place the sensor closer to electrical sources with the low-profile probe tip

TROUBLESHOOT QUICKLY

Provides features that can improve work efficiency

- Execute tasks efficiently with the bright flashlight and tip light to see target area
- Eliminate interruption from a dead battery with the low-battery indication feature
- Maximize battery life with the 'auto power off' feature

SPECIFICATIONS

Measurement

AC Voltage Range (default, solid green light)	190 to 1000 V AC
AC Excitation Voltage / Distance	190 V AC minimum / 1 cm (0.4 in)
Frequency Range	45 to 65 Hz
High-Sensitivity Mode (solid amber light)	24 to 1000 V AC

Meter Data

Flashlight	Yes
Tip Light	Yes
Category Rating	CAT IV-1000 V
Warranty	Limited 3-year

General Information

Certifications	UL, cUL, CE, RCM
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Power System

Power Requirements	2 × AAA alkaline batteries
Battery Life	~7 hours continuous (flashlight off)
Low Battery Voltage	Status LED flashes amber color
Auto Power Off	After 3 minutes of inactivity

Environmental Data

Drop Test	3 m (9.8 ft)
Operating Ambient Temperatures	0 to 60°C (-32 to 140°F)
Storage Temperature	-40 to 90°C (-40 to 194°F)

Physical Data

Weight	0.20 kg (0.44 lb), including batteries
Dimensions (H × W × L)	29 × 26 × 156 mm (1.1 × 1.0 × 6.1 in)

Specifications are subject to change without notice.

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