

MV VOLTAGE DETECTOR VECTOR

BETTER IN EVERY WAY

The ultimate voltage detector



FAMECA

Division
ESP
ELECTRICAL SAFETY PRODUCTS



1 ACCURACY

The VECTOR is the first device to read the same value in laboratory situation and any field situation thanks to a **MULTI SENSOR and MICROPROCESSOR technology**, VECTOR is "accurate".
(see comparison on page 4).

2 SETTING AND TEST ON REAL VOLTAGE

All VECTORs are **calibrated on real voltage via remote control**
(set and checked in Fameca's HV laboratory).

3 PERMANENT SELF-CHECKING

The **VECTOR is the first to carry out permanent and automatic** self testing 10 times a second, every second.

4 INDOOR/OUTDOOR USE

The VECTOR is totally compatible with the latest standard EN 61243-1 2009 which authorises «compact outdoor» detectors also to be used on indoor installations with no risk.

MULTI-SENSOR AND MULTI-LEDS TECHNOLOGY VECTOR

THE 9 KEYS OF SAFETY

5 VISUAL INDICATIONS

The first to feature auxiliary lateral visual indications for situations where a regular display is not visible or to provide team leaders or supervisors with confirmation of the actual reading.

6 SOUND INDICATION

To face most of outdoor and indoor noisy environments, the buzzer implementation has been designed to enhance its perceptibility.

7 FITS DIFFERENT STICKS

The VECTOR is equipped with **interchangeable stick adapters**.

8 FIELD TESTED

Great **shock, impact and water resistance**.

9 EASY BATTERY REPLACEMENT

The battery holder has been designed to provide :
- secure contact
- easy replacement



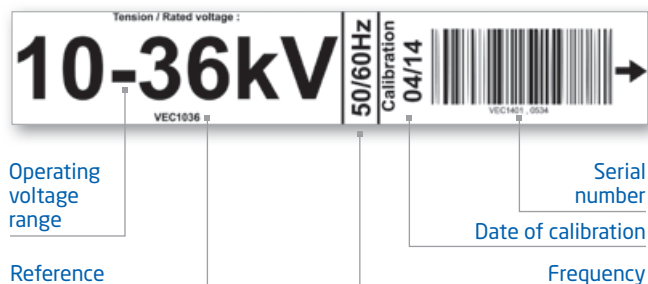
Red : Live



Green :
No voltage



CALIBRATION LABEL

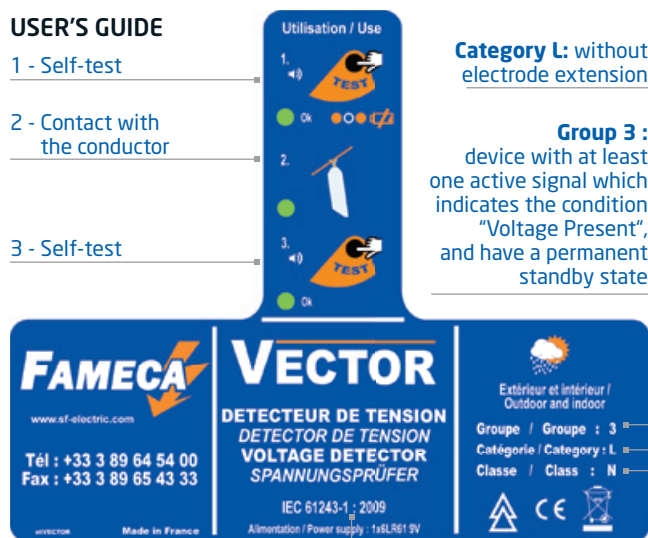


USER'S GUIDE

1 - Self-test

2 - Contact with the conductor

3 - Self-test



IEC standard n°. - Live line working

Equipment for live line working

CE compliance

Climate class N: can be used from -25°C to +55°C depending on the type of battery

OUR VOLTAGE DETECTOR RANGE*

* Other voltage ranges and other end fittings, CONTACT US

Reference	Voltage range	Frequency	Presentation
VEC 0310	3kV to 10kV	50 & 60Hz	<ul style="list-style-type: none"> Sling bag label and user manual FR GB ES DE Electrodes V40mm and D40mm
VEC 1036	10kV to 36kV	50 & 60Hz	<ul style="list-style-type: none"> 9V spare battery UCR ⁽¹⁾ and APV ⁽²⁾ end fitting

(1) - UCR : for universal and hook poles (grip all stick)

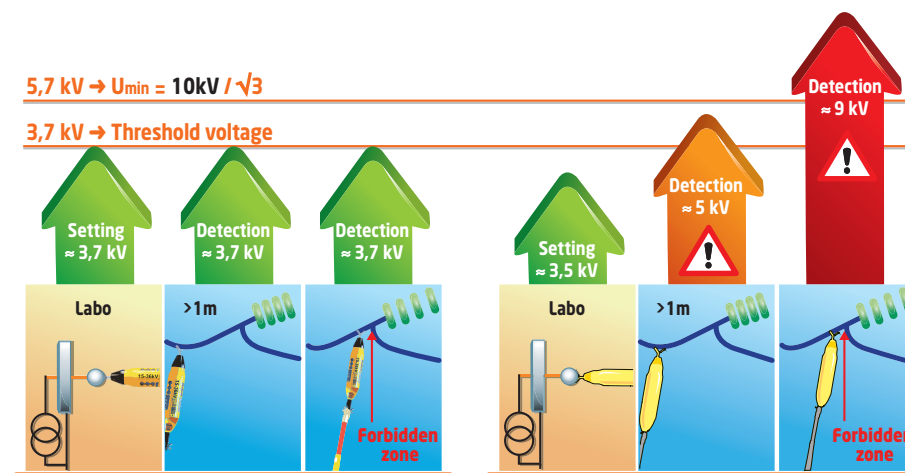
(2) - APV: 12mm AF hexagonal quick fitting

COMPARISON BETWEEN THE MULTI-SENSOR DETECTOR VECTOR AND A REGULAR DETECTOR

11,54 kV → $U_{min} = 20kV / \sqrt{3}$

5,7 kV → $U_{min} = 10kV / \sqrt{3}$

3,7 kV → Threshold voltage



IEC detector **VECTOR**

Regular IEC detector

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