

# MV VOLTAGE DETECTOR VECTOR

**BETTER IN EVERY WAY**

The ultimate voltage detector



10-36kV  
VEC1036  
50/60Hz  
Calibration  
0A/1A

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Made in France

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**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



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## CALIBRATION LABEL



Operating voltage range

Reference

Serial number

Date of calibration

Frequency

### USER'S GUIDE

1 - Self-test

2 - Contact with the conductor

3 - Self-test



**Category L:** without electrode extension

**Group 3 :** device with at least one active signal which indicates the condition "Voltage Present", and have a permanent standby state



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

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

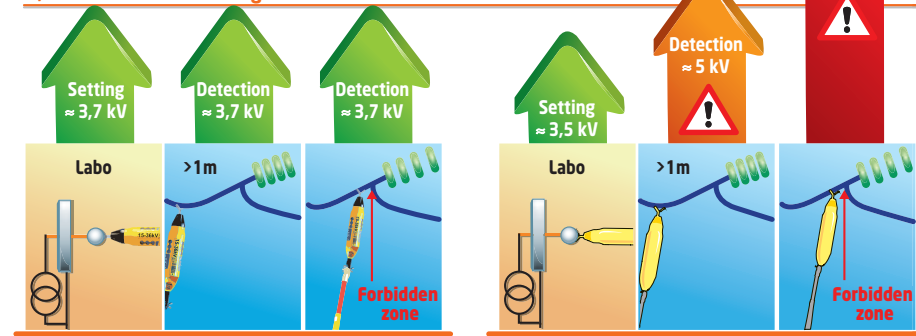
(2) - APV: 12mm AF hexagonal quick fitting

## 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

