

FAMECA



VOLTAGE
DETECTOR

MTag

HIGH VOLTAGE DETECTOR
FOR DISTRIBUTION SYSTEM

CE  IEC 61243-1




energy solutions



MTag

MV VOLTAGE DETECTOR



Designed for «proving dead» on high voltage distribution system between 1 kV and 69 kV (voltage ranges calibrated according to IEC recommendations)

The MTag detects any nominal voltage present on a overhead line or in a substation
The MTag meets all the expectations and wishes expressed by users and experts in recent years.

Reliable indication

- Detects nominal voltages of its range
- Eliminates related induced voltages
- Enhanced audible and visual signals perceptible in most conditions

Heavy duty and reliable design

- Direct access to the battery
- Sealed, watertight electronic compartment
- Stick end fittings interchangeable by the user, no tools required



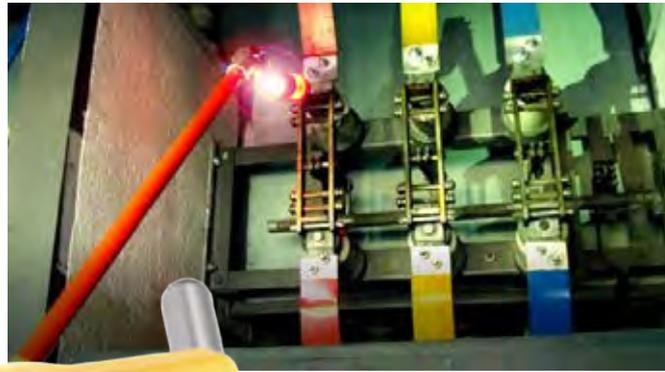
Enhanced audible indication

- Powerful audible indication that can be heard clearly and precisely
- 100 dB audible signal (at 1 meter).
- Audible above traffic noise or strong winds, thanks to natural amplification by an acoustic horn.

Operating reliability

- Low battery level indicated by a dedicated **ORANGE** LED.
- Latest generation of electronics controlled by a processor and enclosed in a dedicated sealed compartment to avoid moisture ingress.
- The battery can be replaced in any condition.
- Compliant with IEC 61243-1.
- Detection thresholds calibrated on real voltages (HV).





Direct access to the battery, watertight sealed electronics compartment.

- Built to prevent inadvertent misassembly of housing and electronics.
- Battery easily changed in the field, even in difficult conditions (bad weather, difficult worksite, etc.)
- Easy opening of compartment with a cover preventing the battery from falling out.
- Does not require access to the electronics.



Enhanced visual indication

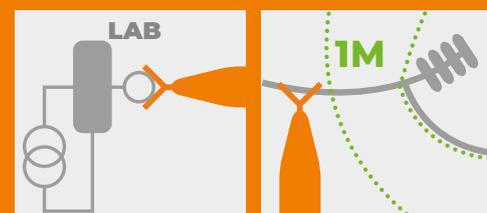
- Visual indication visible in sunlight and fog.
- Wide angle of view and side view thanks to the optic ring.
- When the self-test is OK (device ready for use) and there is no nominal voltage in the range calibrated, device displays a **GREEN** indication.
- If a nominal voltage in the range calibrated or a higher voltage is detected, device displays a **RED** indication and starts a bipping sound.



see § 4.2.1.2.3 standard IEC 61243-1 (2020)

Based on the last few years experience, particular emphasis has been placed on:

Stability of detection precision, between calibration and field situations



The MTag meets the most demanding requirements of the new standard.

Serial number

Calibration date

Frequencies

Operating voltage ranges according to IEC recommendations

Category L: without electrode extension

Climatic category N: Use from -25°C to +55°C Depending on type of battery

Group 3: Indication with active signal of presence of voltage and standby state

IEC standard number - Voltage detectors - Part 1: Capacitive type to be used for voltages exceeding 1 kV a.c.

Live working equipment

CE Conformity

PART NUMBER	VOLTAGE RANGE	FREQUENCY	HOUSING COLOUR	STICK ADAPTOR*	CONTACT ELECTRODE	USER'S MANUAL**	PACKAGING***
MTAG0104FHUA	1-4 kV	50/60 Hz	Yellow	Universal & APV	V 56	Pack F	Soft case with EMC protection
MTAG0310FHUA	3-10 kV						
MTAG1036FHUA	10-36 kV						
MTAG2069FHUA	20-69 kV						

*Other stick adaptor available on request.

**Pack F: FR/GB/DE/ES/PT/PL

Pack G: GB/GR/BG/IT/NL/AR/TR

***Available in a metal case on request

REPLACEABLE ADAPTOR FOR DIFFERENTS STICKS END FITTING
 ADVECBV* ADVECU* ADVECEAM* ADVECAPV*



SOFT CASE WITH CONDUCTIVE LINING FOR EMC PROTECTION



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