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TECHNICAL SPECIFICATION - DATA SHEET

Personal Voltage Detector Mod. D-TUERI



Acoustic signal




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DESCRIPTION

Personal protection device for detecting electrical fields. Used for works which involve electrical hazard such as operations carried out in medium and high tension electrical installations.

This additional safety element detects electrical fields in an omnidirectional manner, i.e. the voltage is detected regardless of the direction from which it comes.

The detector is positioned in the centre of the helmet using dual lock tape and the device is used as an additional accessory.

TECHNICAL CHARACTERISTICS

- **Frequency:** 50/60Hz
- **Range of use:** 10-66kV
- **Type:** capacitive
- **Use:** in Distribution/Transformation centres and overhead lines.
- **Signalling:** Optical and acoustic by means of LED diodes and a buzzer.
- **With accelerometer:** providing the device with the capability of differentiating the approximation speed of the voltage source, i.e. the alarm sounds sooner the greater the approximation speed.
- **Climatic category of use:** Temperature of -50°C to +55°C, humidity of 20 to 96%.
- **Power supply:** 2 AAA batteries, type LR-03. Always remove batteries when the device is not used.
- **Self-checking:** The device is fitted with an operational self-checking function.
- **Automatic start-up:** The detector includes an automatic start-up system in the event of detecting "presence of voltage" when the device is turned off.

D-TUERI
PERSONAL VOLTAGE DETECTOR

▼ Optional headphones for use in noisy environments

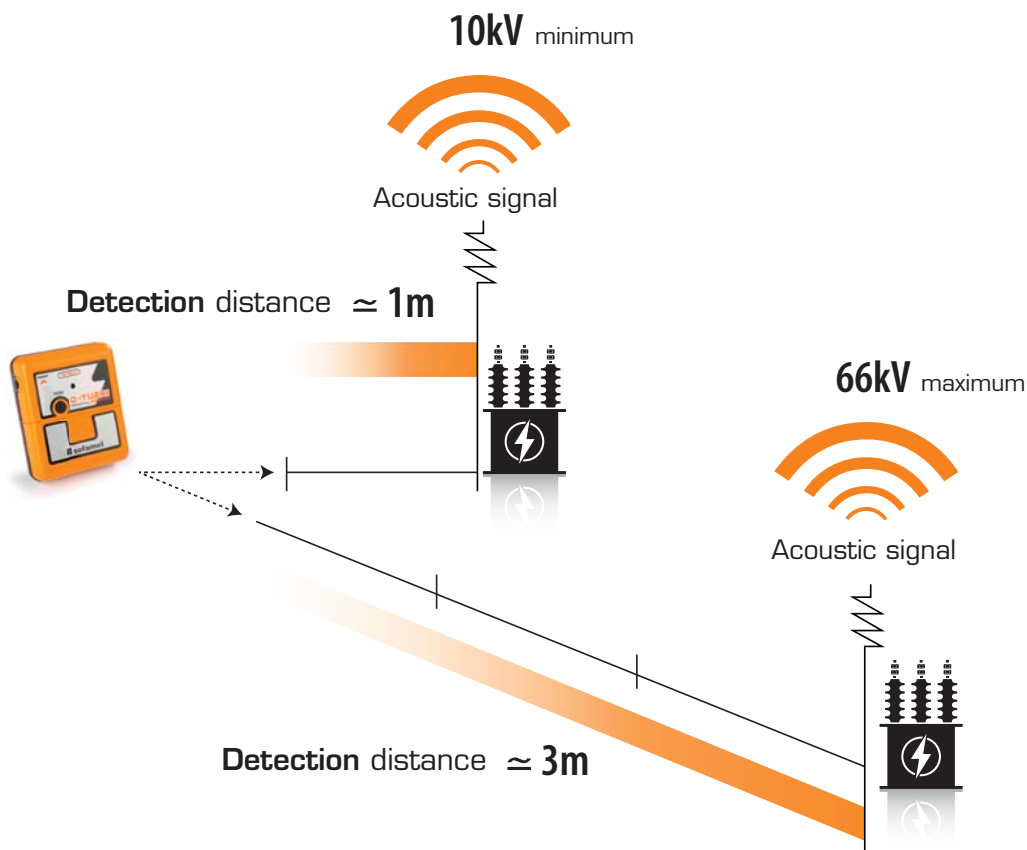


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BASIC FUNCTIONALITY

The device turns automatically from stand-by mode to alert mode, except for when the batteries are put in for the first time. In this case, the test button must be pressed in order for the device to turn on.

When the operator comes close to an electrical field comprised between **10kV - 66kV** and exceeds an approximate distance of **1 metre for 10kV and 3 metres for 66kV**, the detector sounds an alarm to inform the operator that he has entered a danger zone. The alarm will continue to sound while the operator remains close to the power source.



MAINTENANCE

- Keep the voltage detector clean.
- Transport and store the device in the supplied briefcase.
- Prevent any blow. In case of fall, break or detection of any anomaly, contact SOFAMEL, S.L. for its inspection, repair or calibration.
- Even if it is stored, the voltage detector should be checked and calibrated by the manufacturer after a maximum of 3 years.

WARRANTY

Subject to proper use of the detector, our warranty extends for 24 months from sale.

If you need any assistance, please contact our technical services or your SOFAMEL nearest distributor:

Tel.: +34 93 808 79 80

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