



# LEADER Volt

Warns of presence of the alternating current at a distance

## AC ELECTRIC CURRENT DETECTOR



### KEY POINTS

- ▶ Detects alternating current
- ▶ Safe and easy to use
- ▶ High sensitivity
- ▶ 3 sensitivity modes
- ▶ Water resistant



# THE ADVANTAGES THAT MAKE THE DIFFERENCE

## SECURING THE AREA

Audio and visual warning of the presence of alternating current (AC) without even having contact with the power source.

### 3 SENSITIVITY MODES :

- ▶ **High sensitivity** : For remote inspection
- ▶ **Low sensitivity** : Helps find the source of the current
- ▶ **Focus mode** : Precisely detects the current in the axial direction of the device and reduces the influence of other nearby cables



### MAIN APPLICATIONS :

- ▶ **Urban Search and Rescue** : Detects unknown sources of AC that are unprotected and dangerous.
- ▶ **Fire** : During and after fires, construction work and inspections.
- ▶ **Vehicle extractions** : Rapid check of intervention site and vehicles in order to identify any AC-related risk. Enables operator to check that electrical circuits are disconnected.
- ▶ **Rescue in Confined Spaces** : Allows operator to check that electrical power is off at the entrance of a site containing machinery or equipment that could be accidentally started up.
- ▶ **Natural disasters** : Rapid check of the extent of a power cut following an earthquake, storm, flood or snow storm. LEADER Volt enables operator to identify live wiring on roads or in spaces inside collapsed buildings or on flooded sites.
- ▶ **Trench rescue** : For locating potential sources of electrical hazards during rescue operations.

## MAIN CHARACTERISTICS

- ▶ Weight: 1.26 lbs
- ▶ Dimensions: Diameter: 1.77 inch / Length: 20.51 inch
- ▶ Duration: One set of alkaline batteries (4 x AA alkaline supplied) gives one year of service (if permanently on = 300 hours)
- ▶ Can be used for frequencies from 20 to 100 Hz
- ▶ Températures :
  - use: from -22 to +122°F
  - storage and transport: from -40 to +158°F
- ▶ Typical detection distance :

Voltage	Frequency	Settings	Detection distance adjustment		
			High sensitivity	Low sensitivity	Focus mode
120 VAC 220 VAC	60 Hz 50 Hz	Single conductor (5.9 ft above ground)	15.1 ft	2.95 ft	5.9 inch
120 VAC 220 VAC		Conductor on wet ground	2.95 ft	5.9 inch	1 inch
7.2 kV 16 kV		Overhead distribution line (single insulator)	213 ft	69 ft	19.7 ft
46 kV	60 Hz	Overhead transmission line (several insulators)	>492 ft	>197 ft	>65 ft



### CAUTION

LEADER Volt detects only AC (Alternating Current) on damaged/stripped cables. Does not detect DC (Direct Current) such as underground railway train cables, tram cables, very high voltage cables and solar panels.