FRONTLINE VISION

DETECT • ALERT • PROTECT

D-TEC Mini

AC CURRENT SENSING DEVICE

Day or night, D-TEC Mini helps keep you safe on the front line. Simple to use, this lightweight, handheld AC current-sensing device can be used in natural disaster, transportation accidents, and other emergency rescue operations.

With three settings—high, medium and low sensitivities, D-TEC Mini enables you to sense AC current from the near or far, providing one of the most effective tools on the market today.



APPLICATIONS

- FIRE RESCUE
- FLOOD RESCUE
- VEHICLE RESCUE
- USAR OPERATIONS
- UTILITY EMERGENCY
- DISASTER RESPONSE

IP67 WATERPROOF | GPS LOCATION | SOS EMERGENCY SOS | WHITE LED ILLUMINATOR | AUDIO ALARM

KEY FEATURES

LONG-RANGE DETECTION
Senses energized transmission lines up to 750 ft (230 m)

LEAKAGE DETECTION
Detects 120/240VAC power leaks up to 19.7 ft (6 m)

THREE SENSITIVITY MODES
High / Medium / Low sensitivity for different environments

AUDIO & VISUAL ALERTS
Clear audio alarm and LED warning for immediate hazard indication

RUGGED & DURABLE
Impact resistance 7 Joule to EN60079-0
Rugged PVC housing for extreme conditions

LONG BATTERY LIFE
Rechargeable Li-ion battery
> 8 hours of continuous use

BUILT-IN GPS
Displays current latitude and longitude for precise location tracking

SOS EMERGENCY BUTTON
Instantly trigger emergency alert with one press

WHITE LED ILLUMINATOR
Integrated high-intensity LED for low-light operations

WIDE OPERATING RANGE
Operating temperature: -40°C to 70°C
AC frequency range: 20 Hz to 100 Hz



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PRODUCT COMPONENTS

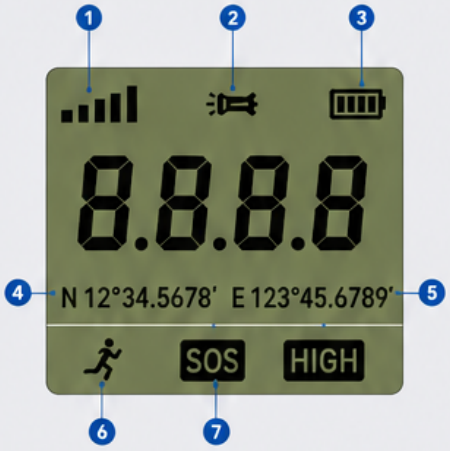


1. Power cable
2. Power plug
3. Charging port
4. Antenna port
5. Warning light
6. Emergency SOS button
7. Illuminated light switch
8. Power switch
   (Long press to switch on/off, short press to select sensitivity)
9. Antenna

SPECIFICATIONS

Start-up Mode	Flick switch, long press
Display Information	Battery life, GPS location, Electric field strength, Sensitivity level, Operator status etc.
Alarm Method	Audio and visual
Battery	Rechargeable Li-ion battery, Life is more than 8 hours after charging
AC Frequency Range	20 Hz to 100 Hz
Temperature Range	-40°C to 70°C
IP Rating	IP67
Alarm Level	90 dBA
Impact Resistance	7 Joule to EN60079-0
Weight	220 g
Dimensions (L x W x H)	140 x 70 x 40 mm

LED DISPLAY INTERFACE



1. **Electric field strength level**
   Indicates the size of the electric field strength
2. **Lighting function indicator**
   When the lighting function is turned on, the front of the icon displays three lines of light; conversely, the light disappears
3. **Battery life indicator**
4. **Current latitude coordinate**
5. **Current longitude coordinate**
6. **Motion status indicator**
   Displays motion when the detector is moving; otherwise displays static
7. **Emergency / SOS call**
8. **Sensitivity level selection**
   High / Medium / Low

DETECTION RANGE GUIDE

Voltage	Frequency	Setup	High Sensitivity	Low Sensitivity
120 VAC 240 VAC	60 Hz 50 Hz	Single Conductor (6' above ground)	4.5m (15')	1.0m (3.25')
120 VAC 240 VAC	60 Hz 50 Hz	Conductor Laying on the ground	1.8m (6')	150mm (0.5')
7.2kV 16kV	60 Hz 50 Hz	Overhead Distribution Line (single insulator)	>78m (>255')	>42m (>137')
46kV	60Hz	Overhead Transmission Line (several Insulators)	>150m (>500')	>60m (>200')

* Detection range may vary based on environmental conditions, conductor type, and surrounding obstructions.

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