

PERSONAL SAFETY H.V. DETECTOR



INSTRUCTION MANUAL

INTRODUCTION

The Personal Safety H.V. Detector is a sensor for sensing AC High Voltage. It provides electric engineering personnel, power engineering personnel, firefighting personnel and instrument equipment workers with prominent warning when approaching high voltage and for taking necessary safety action, preventing illusion and misjudgment which could lead to electric shock to person.

When a person wearing the detector is approaching high voltage source or equipment, the sensor will detect automatically and buzzer will generate a "BeBe" sound for warning and LED will flash to remind operators that the user is approaching a high voltage source and special attention shall be given to the safety of operations.

FEATURES Waterproof design, protection class: IP65

- Compact, easy to wear and convenient in use.
- Usable both indoor and outdoor.
- Water-proof design. (IP65)
- Equipped with self-testing functions
- Sound and flash light warning on different frequencies varied positively with sensed voltages.
- Able to sense all kinds of AC High Voltage System.
- Low power consumption.
- Meets : EN61326-1.
- Voltage detection chart:

Voltage	Detection distance
110V	0.5m
600V	1.5m
1kV	2.5m
2kV	3.5m
6kV	5.5m
8kV	6.5m
11.4kV	7.5m

SPECIFICATION

- Distance of starting warning : HF for 11.4kV
- Applicable frequency : 50 / 60 Hz
- Volume : > 65dB at 1 meter distance
- Operating Temp & Humidity :
5°C - 45°C 80% R.H. Max.
- Outside dimensions :
G(L) x G(W) x H(H)
- Weight : F (incl * battery)
- Battery to use : CR2032 x 1
- Battery life : 50 hours for continuous use
- Accessories
Instruction manual
Elastic cord
Battery
Bracket
Skidproof cushion
Hook x 3

METHOD OF USE

1. Inspection before use

- (1) Check the appearance and structure for any abnormality.
- (2) Press Self-Test switch (about 10 seconds) to confirm all functions are working normally.
- (3) To be careful and to avoid misjudgment, test the unit by contacting AC 110V insulated wire with its front side to see if it sounds and flashes.

2. Wearing

- (1) Wear the unit in front of the safety helmet.



3 hooks hold the elastic cord around the safety helmet.



Hook x 3

- (2) Wear the unit at the pocket in front of your shirt (chest).

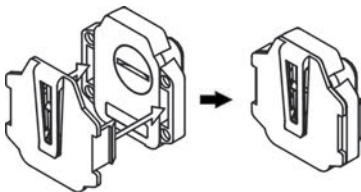


- (3) Wear the unit to the outer side of fore arm with the sensing side faces outwardly.



The effect is best when the sensing side is facing high voltage in right angle (90 Deg.). When it is worn at the inner side of arm or is covered by cloth, the sensitivity is poor.

3. Combination for attachment to chest pocket



CLEANING & REPLACING BATTERY

1. Sensing side shall maintain clean. The case may be cleaned with soft fabric and mild detergent. No solvent or corrosive agent may be used.
2. Replacing battery
 - (1) When the sound become weak, the battery shall be replaced.
 - (2) Use coin to open battery cover and remove used battery. Place new battery into slot with the battery positive (+) face up and fasten battery cover with coin.

CAUTIONS

1. This instrument is an auxiliary testing unit and is only for obtaining warning as additional protection. Never use this instrument as substitution for Tester. Electrical Test shall be the prime electric testing instrument.
2. Other than affected by how you wear, the sensing and warning distance may be influenced by direction of electric article, ambient environment, shielding objects and weather conditions.
3. Buzzer has inner water-proof film. Do not pierce it with sharp article.
4. Do not store this instrument outdoor or inside of car for long time to avoid direct sunbeam and high temperature.
5. The instrument shall not be dropped or impacted heavily. If such situation does happen, perform inspection and self-test to ensure no damage occurred before using again.
6. If the instrument gets wet, remove battery and place it at cool place for natural dry.

Hoyt Warranty and Repair

Hoyt Electrical Instrument Works, Inc. (Hoyt) warrants its products to be free of defective materials and workmanship for a period of (2) years after shipment to the original purchaser. This warranty shall be limited to defective materials and workmanship. Hoyt will repair all warranty items at no charge.

Hoyt will not cover those products that have been damaged due to removal of warranty stickers, improper handling, storage, installation or operation by the purchaser or any third party. At Hoyt's discretion defective products may be repaired or replaced and the products returned to proper working condition. Upon this time you would be notified for approval of any charges.

All warranty claims must be made using the Hoyt RMA form available by calling the factory directly at 1-800-258-3652.

All products must be returned prepaid to:

Hoyt Electrical Instrument Works, Inc.

Attention: Returns

23 Meter Street

Penacook, NH 03303-1894

Return Shipments must be made in the original packaging or packaging of equal quality that will provide appropriate protection during shipping. Hoyt will not be responsible for warranty repair of products returned via inadequate containers and packaging, nor for missing components.

Hoyt shall not be liable for any special, punitive, incidental or consequential damages made by the buyer or any third party. This statement of warranty is in lieu of all other warranties, guarantees, liabilities, obligations, statutory or implied to the original purchaser or to any other party.

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