

Electronic Stud Sensor

Owner's Manual



Please read the instruction manual carefully, and follow the instructions contained in them. Get to know the appliance, its correct use and the safety instructions with the assistance of these instructions for use.



Read all these instructions before operating this product and save these instructions.

1. Keep work area clean.

- Cluttered area and benches invite injuries.

2. Consider work area environment.

- Do not expose the tool to rain. Do not use the tool in damp or wet locations. Keep work area well lit. Do not use the tool where there is risk to cause fire or explosion

3. Keep children away.

- Do not let visitors touch the tool or extension cord. All visitors should be kept away from work area.

4. Store idle tools.

- When not in use, tools should be stored in a dry, high or locked up place, out of reach of children.

5. Do not force the tool.

Know Your Apparatus

This device is used to find wooden or metal studs through drywall boards.

Special Safety Instruction of use

When using battery-powered tools, basic safety precautions, including the following, should always be followed to reduce the risk of fire, leaking batteries, personal injury and material damage.

Never attempt to open the battery for any reason.

Do not store the battery in locations where the temperature may exceed 40°C.

When disposing of batteries, follow the instructions given in the section "protecting the environment".

Do not incinerate batteries.

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- It will do the job better and safe at the rate for which it was intended.

6. Dress properly.

- Do not wear loose clothing or jewelry, they can be caught in moving parts. Rubber gloves and non-skid footwear are recommended when working outdoors. Wear protecting hair covering to contain long hair.

7. Use safety glasses.

- Also use face or dust mask if the cutting operation is dusty.

8. Do not overreach.

- Keep proper footing and balance at all times.

9. Stay alert.

- Watch what you are doing. Use common sense. Do not operate tool when you are tired.

10. Check damaged parts.


- Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly

- Under extreme conditions, battery leakage may occur, when you notice liquid on the batteries, proceed as follows: carefully wipe the liquid off using a cloth. Avoid skin contact.

Protecting the environment

If you want to dispose of the tool yourself, the battery must be removed as describe above and disposed of in accordance with local regulations. Place the battery in a suitable packing to ensure that the terminals can not be short-circuited. Take the batteries to a local recycling station.

General safety instructions

 **WARNING!** When using electric tools, basic safety precautions, including the following, should always be followed to reduce the risk of fire, electric shock and personal injury.

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and perform its intended function. Check for alignment of moving parts, free running of moving parts, breakage of parts, mounting and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service centre unless otherwise indicated in this instruction manual. Have defective switches replaced by an authorized service facility. Do not use the tool if the switch does not turn it on and off.

11. Warning

- The use of any accessory or attachment, other than those recommended in this instruction manual, may present a risk of personal injury.

12. Have your tool repaired by a qualified person.

This electric tool is accordance with the relevant safety requirements. Repairs should only be carried out by qualified persons using original spare parts, otherwise this may result in considerable danger to the use.

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Operation instruction

I Installation of the battery

- (1) Open battery door at the back of the unit.
- (2) Attach a 9Volt battery to the connector.
- (3) Put the battery into the compartment.
- (4) Close battery compartment door.

II Specification

Battery power: 9V DC

Detecting depth: 19mm

Operating temperature: -20°C ~ 400°C

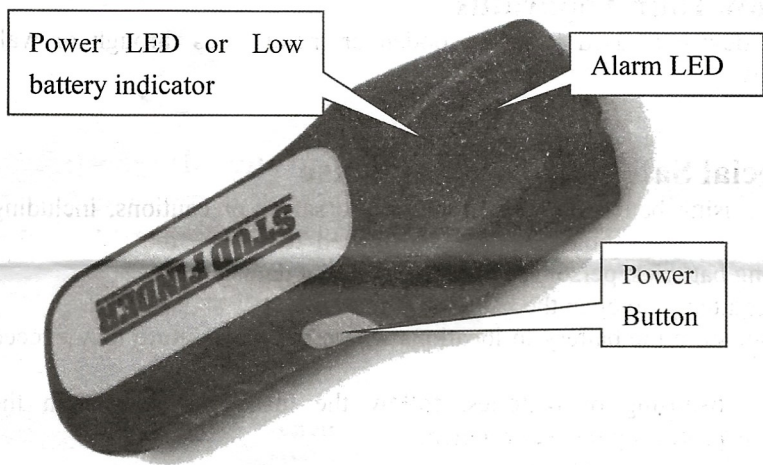
Position accuracy : 3mm

Power consumption: $16 \leq \text{mA}$

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1. The instrument is used to search for the reinforced wall under the surface, such as wood.
2. First need to determine the search range object. Below is a diagram of detection.
3. Will this instrument in surface area A position, press the power button, then the first indicator light and the green light is on, and heard a "Di" sound, the red indicator light goes out. Said sampling is OK. Now don't release the power button, along with measured surface and move around, when the instrument is moved to the area B, the red indicator light starts to turn light, when arriving at the area C, the red LED all light and sound for "Didi..", with a mark, release the power button. The instrument on surface E location, re sampling and along to move in the opposite direction to area D, repeated test several times, if the alarm is repeat. Both B & D area below may be stud, area C must be a stud.
4. The instrument detection principle: the instrument is the use of

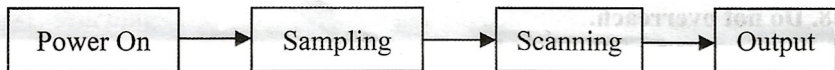
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surface density of matter changes following detected by the probe frequency change this principle to design, the maximum depth of investigation in the uniform surface following 19mm, detection range is 3mm, range of detected object cannot be less than 1200mm².

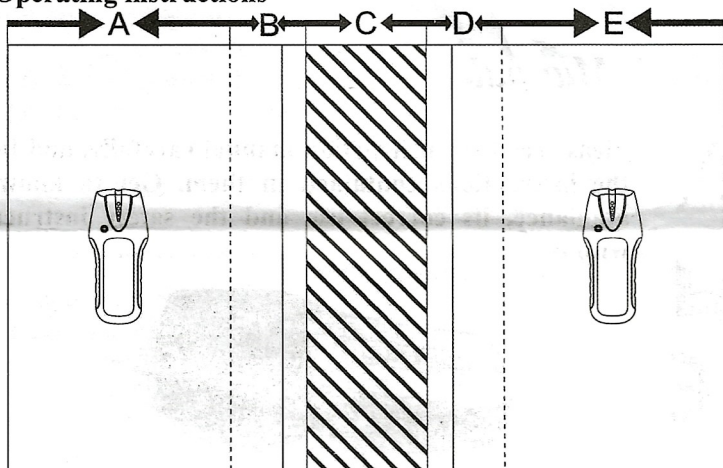
IV Schematic diagram



V Caution

1. When sampling, the first red indicator on and make a short "drop" sound, that sampling is not successful. Said the interference or the object to be measured is more than built-in allowed values.
2. When press the power button, the green indicator light flashes,

III Operating instructions



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indicating the current battery is less than 7V, please replace the battery.

3. Sampling has absolute influence on the measurement results, should pay attention to when scanning, inductive head not to touch the instrument by hand.

Important:

when the tool is under calibration or in scanning operation, always keep your finger in the black rubber grip area. Do not touch the upper part of the tool by all means.

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