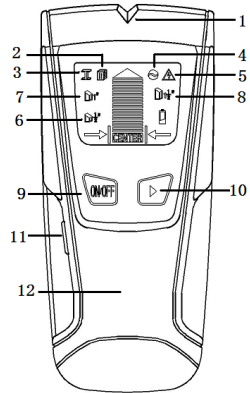


# Stud Center Finder, Metal and AC Live Wire Detector (4060)

The product uses five different scanning modes to detect studs, metal, and hot unshielded AC wiring behind walls, floors, and ceilings, as well as detecting rebar in concrete. For safety, in all modes, the product always looks for and warns users of the presence of hot AC.



1. The Center Pointing System
2. Stud Mode Indication
3. Metal Mode Indication
4. AC Mode Indication
5. AC Wire Warning
6. 1/2" Scan Mode Indication
7. 1" Scan Mode Indication
8. 1 1/2" Scan Mode Indication
9. Power Button
10. Mode Button
11. Scan Button
12. Battery (Back of unit)

## 1. MODE SELECTION

When scanning for studs, there are three scan modes to choose for properly thick of the scanning surface:

1/2" Scan Mode scans through surfaces up to 1/2 inch thick.

1" Scan Mode scans through surfaces up to 1 inch thick.

1 1/2" Scan Mode scans through surfaces up to 1 1/2 inch thick.

If the thickness of the scanning surface is unknown, you can start with 1 1/2" Scan Mode. And then choose more suitable Scan Mode to verify the centre of studs again.

When scanning for metal pipes or rebar, select Metal Mode. When scanning for electrical wires, select AC Mode.

## 2. IMPORTANT OPERATING TIPS, PLEASE READ CAREFULLY

**Tool Position:** For proper use, always place scanner flat against the surface before turning on power.

**Power:** Depress and hold in the Scan button continuously while in use.

**Calibration:** Place unit flat on wall. Press and hold the Scan button. Do not move the unit until calibration is complete (1-2 seconds). When calibration is complete, the unit will sound a short beep and the bars will be cleared.

**Operation:** Move the unit slowly, while keeping it flat against the wall. Do not rock or lift it.

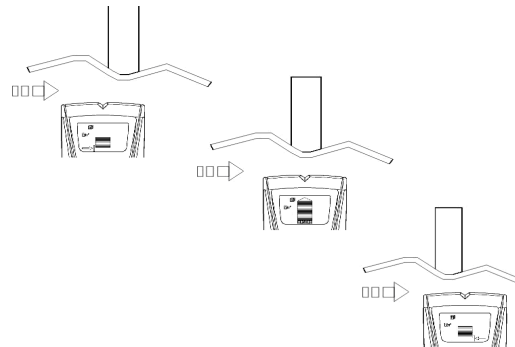
## 3. SCANNING IN STUD MODE

After calibrating (see 2), continue to hold the scan button and slowly slide the unit across the surface. As you approach the edge of a stud, bars on the display will indicate you are getting close.


Continue moving the scanner slowly until the display indicates the EDGE of the stud. (see the picture below)

Continue moving the scanner slowly. The audio signal and display will indicate the CENTER of the stud.

Continue in the same direction to find the other edge.



## AC Wire Warning

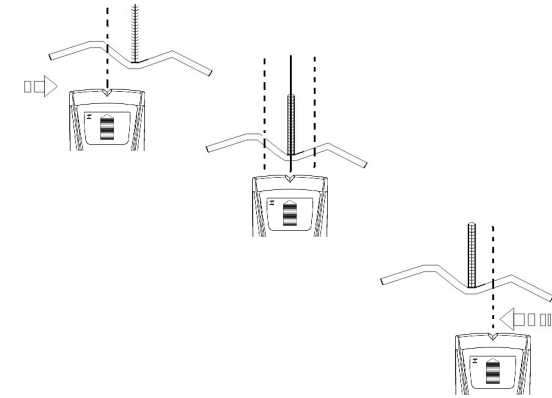
Always verify the unit is in good working order before use. You can test it in a known correctly wired socket or distribution board. For your safety, AC Wire Warning  works continuously in all modes. When AC voltage is detected, the icon will be displayed on screen.

Caution: Wires deeper than 2 in. (51mm), in conduit, or behind plywood shear wall may not be detected. Use extreme caution under these circumstances or whenever hot AC wires are present. Always turn off power when working near electrical wires.

## 4. SCANNING IN METAL OR AC MODE

Select mode. After calibrating (see 2), continue to hold the scan button and slowly slide the unit across the surface. Mark the spot where the display bars peak and a steady tone sounds. Continue in the same direction until display bars reduce.

Reverse direction and mark the spot where the display bars peak from that direction. The midpoint of the two marks is the approximate center of the object. (see the picture below)



## 5. CHANGING THE BATTERY

Press battery door release down with your finger or a coin and remove door.

Connect 9-V battery to cable and place inside. Replace battery door and snap shut.

Distributed by MTI

Victoria Road, Avonmouth,

Bristol, BS11 9DB

Tel: 0117 938 6400

Fax: 0117 923 5374

Email: [enquiries.ethos@adivision.co.uk](mailto:enquiries.ethos@adivision.co.uk)

Web: [www.ethos-instruments.co.uk](http://www.ethos-instruments.co.uk)