

# TS75 METAL DETECTOR USERS MANUAL



1

## B.VOLTAGE TEST

1. Keep the sensor close to the wall and turn on power switch.  
Set the selector switch to the VOLTAGE position.
2. Adjust the appropriate button so that the detector will be the most sensitive. That is the moment when the detector is to shine and sound.
3. Slide slowly now to the left and now to the right.
4. The detector will shine and sound when it approaches live wire. If there is no charge or charged body, the detector will not shine or sound.
5. Cut the power when the testing is over.

3

## INTRODUCTION

TS75 Metal Detector can test Metal and Voltage. The arrow on the detector indicates the testing direction.

## Test Methods

### A.Metal Test

1. Keep the sensor close to the wall and turn on the power switch. Set the selector switch to the METAL position and adjust the appropriate button so that the detector will shine and sound.
2. Move the detector slowly from the left to the right.
3. The detector will shine and sound when it approaches metal subjects.
4. It will not shine and sound if there is no metal.
5. Turn off the power when the testing is over.

2

## Notice

1. The detector can test the location of AC Voltage for all devices.  
This testing is safe.
2. The detector cannot test AC Voltage inside metal tube, metal wall or deeper section.

4

## Warning

- 1.It is an auxiliary detector for testing the location of wood and metal tube inside the wall. For accurate location, please refer to design drawings or construction working drawings.
- 2.It is impossible to test the range correctly since it is used to detect the central point of wood .
- 3.Be sure to adjust the sensitivity before using for fear that signal errors will occur. It doesn't mean that the detector has broken down. Do not press or hit the detector violently.
- 4.If there is strong electric wave of steam, operation mistakes will occur.
- 5.Do not use the detector at high-steam, operation mistakes will occur.

5

8. Do not use the detector if there is dew or moisture inside the wall.
9. Do not use the detector if there is steel wire web inside the wall.
- 10.Do not use the detector if there is metal foil, such as aluminum foil, inside the wall.
- 11.Sometimes the detector can not test plaster board or compound board because the material and structure of them are different.

7

- 6.Remove the battery if the detector will not be used for a long period of time.
- 7.The detecting ability is various since the materials and condition of the wall are different. Please confirm the material of the wall before testing.

Wall Fit for Test	Wall Unfit for Test
Ply wood, Board,Compound Wood	Concrete Wall
Fascia Board	Iron Plate Wall
PVC inside Wall	Metal Mold Wall Paper
	Plaster(w/steel wire) /Outside Wall

6

## D.Technical Data

Type	Detector
Metal test	Diameter 15mm,copper pipe(depth 24mm)
Voltage test	AC110V electric wire, depth 40mm
Ambient condition	-20~60C below 30~80%RH(10%condensation)
Battery	6F 22,9V
Battery life	About ten hours(using 6LR6.)

8