TACKLIFE

User Manual

Stud Finder

Model:DMS03

Product Accessories

1 x TACKLIFE DMS03 stud finder
1 x Packing Bag
1 x User Manual
1 x 9V Battery
1 x Warranty Card
* Reminder: Please check whether the accessories are complete when you receive the product. If you lack accessories, please contact our customer service **support@tacklifetools.com.**

Battery installation

Please refer to the picture to install the positive and negative poles of the battery.

When you need to remove the battery, gently pull the auxiliary strap to quickly remove the battery.

After the battery is installed, put the extra auxiliary belt back into the battery compartment as shown in the figure, and then close the battery cover.

Positive "+"

Negative "-"

Boot page

Short press the button to turn on, and it will enter the metal detection mode.

Press for one second to power on

Figure 1

Metal detection: Ferrous metal detection

The maximum detection depth of ferrous metals is 100mm.

Power on is the metal detection mode

After the product is turned on, it can be detected after being calibrated against the wall.

When the measured object is a standard steel-reinforced copper pipe with a diameter of 18mm, the depth value accuracy is the best.

Magnetic metal icon

constant speed ≤ 6cm/s

Fe-containing metal detected nearby. When an object is detected, the yellow or red indicator lights up.

Detect center
When the detector displays a magnetic metal symbol, it means that the current measured object is generally steel.

Metal detection: non-magnetic metal

The maximum detection depth of soldering iron metal is 80mm.
The detection method is the same as that of ferrous metals.

Non-magnetic metal icon

constant speed ≤ 6cm/s

When the detector does not display a magnetic or non-magnetic metal symbol, it means that the current measured object is generally an alloy.

When the center is detected, the buzzer will sound. When the detector displays a non-magnetic metal symbol, it means that the current measured object is generally a wire or copper tube.

Wood Stud detection

Wood Stud detection are suitable for detection on gypsum boards.

Turn on wood detection mode for short press.

Long press for 3 seconds to switch depth mode

Detection needs to be lightly close to the wall and always in contact with the wall.
Long press for 3 seconds to switch depth mode, the green light flashes and a beep sounds.

constant speed ≤ 4cm/s

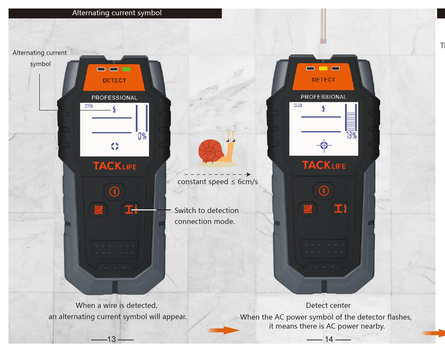
When an object is detected, the yellow or red indicator lights up. The edge of the object is detected, the percentage will gradually increase.

constant speed ≤ 4cm/s

The center point of the object is detected.

Please continue reading to the back page

Alternating current symbol



When a wire is detected,
an alternating current symbol will appear.

Detect center
When the AC power symbol of the detector flashes,
it means there is AC power nearby.

When AC power is detected with other objects

When detecting metal or wood and AC power is detected at the same time, the AC power symbol will be displayed.
The red light flashes to give an alarm and emits a rapid tone.

When AC power is detected with other objects
Live cables can be detected in both metal mode and foreign object mode (≥4mm²).

Warning: If the wall contains wires,
please pay attention to safety.
Turn off the power, gas and water before drilling.

When AC power is detected with wood stud

Detect Wire mode

The maximum detection depth of a live cable is 50mm;
if the cable is not charged, the detection depth will be reduced.
Conditions affecting measurement depth:

Terms and Conditions

This detector can detect metals (rebars, copper pipes)
and cables hidden in walls, ceilings and floors;
wooden beams, metals, and cables under plaster.
Ensure that there is no moisture in the detection area before starting up.
Working humidity range:
0-85%RH for ferrous metals,
0-60%RH for foreign object mode,
0-30%RH for alternating current mode.

Conditions to be calibrated

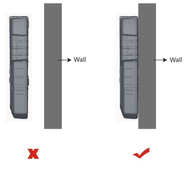
In any case the instrument has a signal display,
it needs to be calibrated.

Calibration method

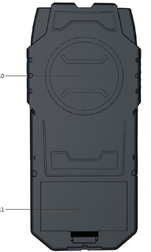
Metal mode calibration:
At the current position (either on the wall or in the air),
press and hold the metal button for 5 seconds,
and the green light will turn on again to
indicate a successful calibration.

Cable mode calibration:
If there is an alarm sound in every corner of the room, this
is due to high humidity or strong static electricity on the wall.
At the current position (either on the wall or in the air),
long press the button to calibrate, the green light will turn on
again, and the signal strength percentage will display 0%.
Release the button to continue detection.

Wood mode calibration:
Attach it to the wall to ensure that there is no object
in the wall for calibration (when there is no object,
the display percentage shows 0% and there is no AC icon).
Long press the wood mode button for 2s,
the green light will light up again and a beep will sound,
release the button to continue detection.



Component Description



1.Red: The center of the sensor was located
2.Yellow: Getting closer to the target
3.Green: The detector has calibrated automatically and get read
4.Central location
5.Battery Indicator
6.LCD Screen
7.Power ON/OFF
8.Wood Studs Button(exact/deep Mode)
9.Detect Wire/Metal Button
10.Detection area
11.Battery compartment

*Repeated detection many times to improve accuracy
When the product is not in use, the battery must be
removed from the instrument. If it is left for a long time,
the battery will corrode or discharge automatically.

Parameter	
Maximum detection depth	
Ferrous metals	100mm
Non-ferrous metals (copper)	80mm
Copper wire (≥4mm²)	50mm
Foreign body mode (wood detection)	Exact20mm/Deep 38mm
Automatic shutdown time	5Mins
Working humidity range:	
Metal pattern	0-85%RH
Foreign body mode	0-60%RH
AC mode	0-30%RH
Range of working temperature	-10°~+50°
Storage temperature range	-20°~+70°
Battery	1 x 9V Battery
usage time	6Hrs
Dimensions	147*68*27mm

Maintenance,Service, Cleaning

Use a dry and soft cloth to wipe off the dirt on it.
Do not use detergent or other solutions.
Do not stick labels or metal nameplates on the detection areas on the front and back sides of the instrument.
Use the enclosed packaging to store and carry the instrument.

Disposal of waste

The damaged detector, product accessories and packaging must be recycled and used in a manner that meets environmental requirements
The right to modify is reserved.