



WD10

User Manual

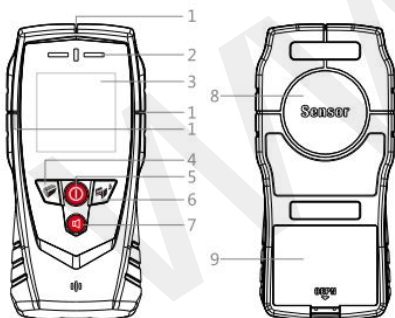
Safety instructions

For the safe use of this device, please read below instructions carefully. Please do not use the device in a flammable and explosive environment. Sparks may be generated inside of the device to ignite the gases or dusts. In order to ensure safety and eliminate potential dangers, please make protective measures before you drill holes in the wall, ceiling or floor.

Applications

The WD10 Wall Detector can detect metals (magnetic and non-magnetic), wood and live cables hidden in walls, ceilings and floors (The walls, ceilings and floors refers to concrete, tiles and boards.)

Apperance



1. Mark groove
2. Indicator type: Red, Green and Orange
Green: Calibration completed, move to start detection
Red: Object detected or center part confirmed

- Orange: Object detected but center part not confirmed
3. Backlight display
 4. Non-Metal detection mode
 5. Power ON/OFF
 6. Metal/AC detection mode
 7. Sound
- Short press to activate sound ON/OFF
Press and hold to change units cm/in (only available in metal detection mode)
8. Sensor
 9. Battery compartment

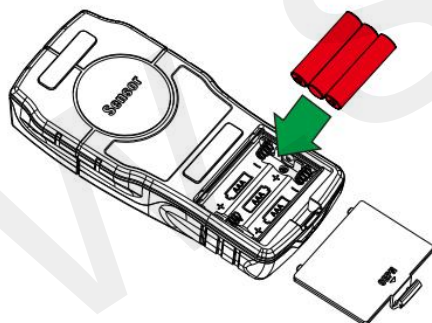
Icons



- Mute
- Product failure / invalid detection alert
- If any electrified objects is detected, it will alert with sounds, what's more, it wil alart in all detection modes .
- Dual signal indicator
- The center of detected object
- The depth display is only available in metal detection mode. The value for reference only, the diameter of ϕ 20mm steel shall prevail
- Non-metal detection mode
- Displayed in metal detection mode, the icon indicates that non-magnetic metal is detected
- Displayed in metal detection mode, the icon indicates that magnetic metal is detected
- AC detection mode
- Metal detection mode

Battery installation

1. Open the battery cover, install 3*AAA batteries, observing correct polarity

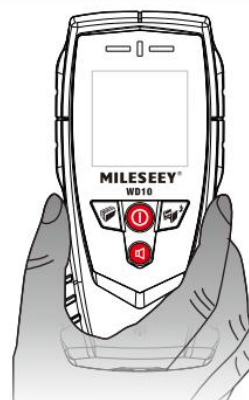


2. After the battery is placed, close the cover

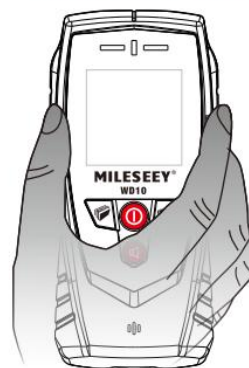


If it is not used for a long time, remove the battery and keep it in dry place

Holding posture



Correct holding posture



Incorrect holding posture

(Do not hold or block the sensor during detection)

Calibration

Calibration Method in Non-Metal Detection mode

Place the device on the detected surface (such as the wall), Press Non-Metal Detection button, when the indicator turns green, then the device could be moved to detect.

Self-calibration for Metal detection

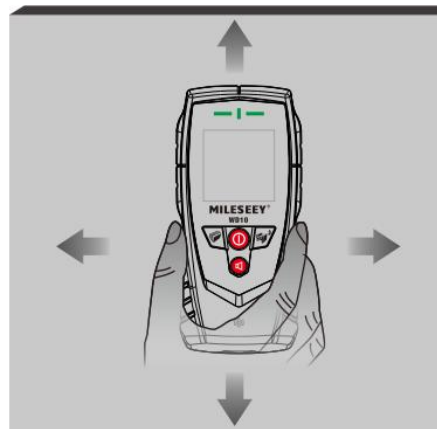
A wide range of changes in the ambient temperature and humidity of the device will cause an alarm when there is no metal interference after powering on. In this case, the user needs to calibrate the device.

Calibration method:

Lift the device in the air in the metal measurement mode to ensure that there is no metal and strong magnetic interference around. Power on the device and quickly press the "start key + metal measurement key" 5 times, the screen displays UCAT, wait a few seconds until PASS is displayed and automatically shut down to complete the calibration.

Wall detection

1. After the indicator turns green, move the device on the measured surface smoothly to start detection.



2. During the movement, the indicator will change color. When indicator turns red, keep moving, when it turns orange, move the detector backward, when it turns red and appears it is confirmed to be measured Center part of metal / non-metal / AC wires.

3. In metal detection mode, depth value is also displayed. 8 8/8 cm

4. When the device detects the energized wire, it will sound alerts and flashing.

Reminder:

1. The device will read the depth in best accuracy when the measured object is a Rebar with a diameter of 20mm, otherwise, the value only for your reference.
2. Under all detection modes, a warning will be triggered when a wire is detected.
3. In non-metal detection mode, the device must be closely touching the measured surface. It requires recalibration if the device lifted during operation. Press the non-metal measure button to activate the recalibration process.

Reminder

1. The instrument cannot fully sense objects that are too small or hidden too deep.
2. The measurement results will be affected by the surrounding environmental factors, including metal or metal-clad building materials, conductive wallpaper, carpet, floor tiles, high humidity environment, strong magnetic and electric environment, etc.
3. Incorrect operation will also cause errors in the detection results.
4. When detecting live cables, it will be affected by the location and environment of the cable, for example, hidden in the construction material or wall with good shielding effect, hidden under the metal object or water-containing building surface, in addition, environmental static will also affect the test results. Contact the wall with part of your body to eliminate static electricity. Due to the influence of location and environment, the cable must be repeatedly tested and confirmed or the auxiliary building drawings to determine whether there is a live cable.

Specifications

Model	WD10
Screen type	Backlight display
Screen size	2.2"
Depth range	Magnetic metal : 8cm
	Non-magnetic metal : 5cm
	AC Cable : 5cm
	Wood : 2cm
Units	CM/in
Non-metal detection	√
Metal detection	φ20mm standard steel bar depth value is the most Accurate; other metal depth values are for reference
Live detection	50/60Hz AC
With magnetic detection	√
Auto shut off	300s
Auto backlight shut off	10s
Storage temperature	-20°C ~ 70°C
Working temperature	0°C ~ 50°C
Protection class	IP54
Sound source	buzzer
Battery type	3xAAA
Working hours	≥7.5h

Dimension	149*70*30mm
Weight	150g

Contact us

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