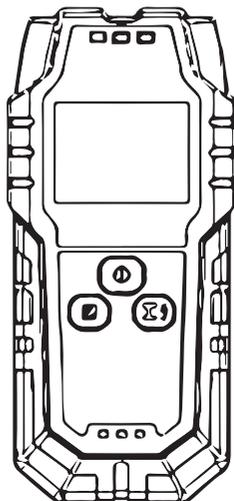


USER MANUAL

196.20 MULTISCAN



EN ENGLISH

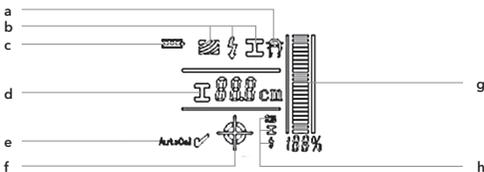
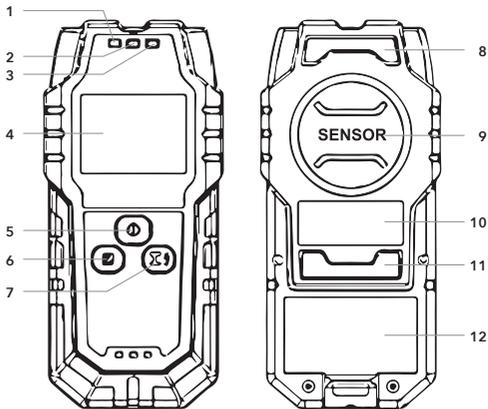
Manual
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Check the back cover



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OVERVIEW



PARTS OF THE HOUSING

- 1 Red indicator light
- 2 Yellow indicator light
- 3 Green indicator light
- 4 Display
- 5 On/Off button
- 6 Wood detection button
- 7 Metal/live wire detection button
- 8 Felt pad 1
- 9 Sensor area
- 10 Product label
- 11 Felt pad 2
- 12 Latch of battery lid

DISPLAY

- a. indicator for ferro-/non-ferro metals
- b. indicator selected detection mode (wood, live wire, metal)
- c. Battery indicator
- d. Metal detecting depth
- e. "AutoCal" calibration indicator
- f. Indicator to find the detection area center.
- g. detection signal strength
- h. Detected object attribute display area for non-current mode



FIRST USE / SWITCHING ON AND OFF

Remove any protective films where applied. Open the battery compartment and insert the 9V batterie. Please take care to observe the indicated polarity.

Press the on/off button to switch on the measuring tool. After a short test, the detector is ready for use. The measuring tool automatically enter the function model of detecting metal.

If the buzzer is always making a beep sound and the red indicator light [1] is always flashing, the measuring tool needs to be calibrate. (see calibration)

IMPORTANT

- If the measuring tool is not used for a long period of time, the battery must be removed. The battery can corrode or discharge itself over long periods.
- Protect the measuring tool against moisture and direct sun irradiation.
- Before switching the measuring tool on, make sure that there is no moisture on the sensor area. If required, wipe the measuring tool using a dry cloth.
- If the measuring tool was subject to an extreme temperature change, allow it to adjust to the ambient temperature before switching on.

CALIBRATION

Hold the measuring tool away from metal or a strong magnetic field (for example: hold the measuring tool up in the air).

Press the metal detection button [7] again until the buzzer stops making a sound and the green light indicator [3] is lit. When the calibration is done, release the button to detect metal.

DETECTING OBJECTS

■ METAL OBJECTS



REBAR COPPER TUBE	
Ø 20	8cm / 6cm
Ø 16	7cm / 6cm
Ø 12	6cm / 5cm
Ø 6	5cm / 5cm

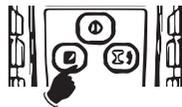
Press the metal detection button to enter the metal-detection mode. The -symbol appears in the display and the green indicator light [3] is lit.

Place the measuring tool onto the surface to be scanned and move it sideways. If the measuring

tool comes close to a metal object, the amplitude of the measuring indicator increase. When it moves away from the metal object, the detection signal strength [8] decreases. At the position of maximum amplitude, the metal object is located below the center of the sensor. At this time, indicator in the display will be indicated and a steady tone sounds.

When scanning metal objects, the depth indication [d] will be displayed. The accuracy of the depth value is in relationship with the shape and position of the scanned object. When the measured object is a standard rebar of diameter 20mm and he is positioned relatively parallel to the detector, the accuracy of the depth value is the best. The depth value serves only as reference.

■ WOODEN OBJECTS



WOOD	
Wooden beam	2cm
Wooden batten	2cm

To scan wooden objects, hold the detector close to the wall and press the wood detection button

[6]. Make sure the measuring tool doesn't move during the short calibration. The green indicator light [3] lights up when finished. The wood icon is visible on the screen.

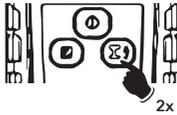
Place the measuring tool on the surface and move around. When the detector comes close to a wooden object, the detection strength [g] will increase. When the detector moves away from the wooden object, the detection strength [g] will decrease. When the signal strength reaches the maximum, the wooden object is located below the center of the sensor. The cross icon will appear in the detection area indicator [f].

CAUTION

When the detector was above the wood inclusions during startup and you move the measuring tool to scan objects, it's possible the buzzer sounds "didididi" and the indicator flashes yellow or red. If this condition happens, you have to change the location of the detector during startup. After, you have to repeat the detection.



■ “LIVE” WIRES



Live wire and cable

5cm

Press two times the “metal - live wire detection” button [7]. The live wire symbol appears in the display. If there are no live wires around the detector, but the buzzer always sounds “didididi” and the red indicator light flashes [1], or there are live wires around the detector but they can’t be detected, the measuring tool must be calibrated. (see “Calibration”).

The detector can detect 50 or 60 Hz AC live power cables. Other wires can only be detected as metal objects.

Live wires/conductors are indicated both during a metal scan as well as during a wood scan. The Live wire symbol [3] appears in the display when a live wire is detected. At this time, move the measuring tool over the surface repeatedly to determine the specific location of the live cables. After several times, the detector is able to pinpoint the location of “live” wires/conductors.

The detector can find 110 Volts, 240 Volts and 380 Volts (AC) live cables.

GUIDANCE FOR OPERATION MODE

Measuring values can be affected through certain ambient conditions. These include:

- the proximity of other equipment that produce strong (electro-)magnetic fields
- moisture
- metallic building materials
- foil-laminated insulation materials
- conductive wallpapers.

Therefore, please also observe other information sources (e.g. construction plans) before drilling, sawing or routing into walls, ceilings or floors.

“AUTOCAL” CALIBRATION INDICATOR

When the checkmark behind “Autocal” [e] flashes over a longer period or if it is not displayed anymore, reliable scanning is no longer possible. In this case, bring the measuring tool to your Futech dealer for repair.



MAINTENANCE / SERVICE / CLEANING

Wipe away debris or contamination with a dry, soft cloth. Do not use cleaning agents or solvents.

Decals/stickers or name plates, especially metal ones, may not be attached in the sensor area, on the front or backside of the measuring tool. They can affect the measuring function.

Store and transport the measuring tool only in the supplied protective pouch.

CHANGES

Futech reserves the right to change, amend or modify this manual at any time without notice.



TECHNICAL SPECIFICATIONS

	196.20 MULTISCAN
Detection depth for ferrous metals	80mm
Detection depth for non-ferrous metals	60mm
Detection depth for live conductors	50mm
Detection depth for wood	20mm
Graphic indication of detection depth	✓
Cm-indication of detection depth	Only for metals, not for wood
Batteries	1 x 9v
Ac power connector	✘
Dimensions	68 X 146 X 28
Weight	0,15KG

Remove batteries from a device if it is not used for several months to prevent damage.

If your instrument does not reach the required tolerance, it should be returned to your service centre or to your reseller for service. Repairs carried out by unauthorised personnel will automatically and always invalidate the guarantee.

USER MANUAL

other languages:



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DE DEUTSCH



ES ESPAÑOL



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