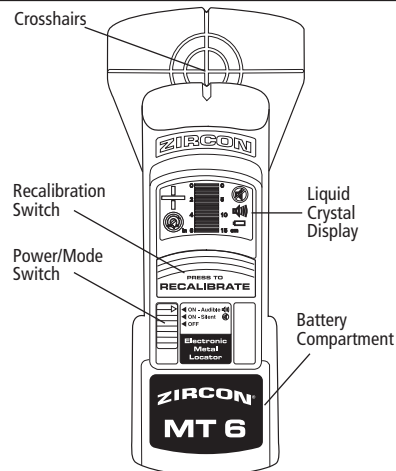


MetalliScanner® MT 6 Electronic Metal Locator

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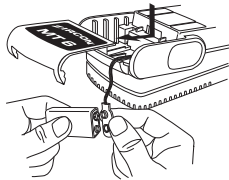
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- Avoid wearing any jewelry, including watches, when using this product. The metal may cause inaccurate results.**



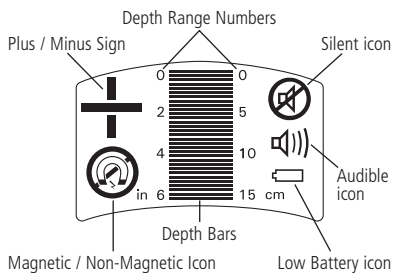
Visit www.zircon.com for the most current instructions.	
<p>LIMITED LIFETIME WARRANTY</p> <p>Zircon Corporation ("Zircon") warrants to the original purchaser (or original user by gift) that this product will be free from defects in materials and workmanship for its useful life (not to exceed twenty years from date of purchase). This warranty is limited to the electronic circuitry of the product, and specifically excludes consumable parts, including batteries, and software, even if packaged with the product. Defects caused by abuse, modification, handling contrary to these instructions, other unreasonable use, or neglect are not covered under this warranty. No liability is accepted for normal wear and tear and minor defects which do not detract from the function of the product.</p> <p>THIS LIMITED LIFETIME WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL ZIRCON BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM POSSESSION, USE, OR MALFUNCTION OF THIS PRODUCT. NO OTHER REPRESENTATIONS OR CLAIMS OF A SIMILAR NATURE WILL BIND OR OBLIGATE ZIRCON.</p> <p>Some states do not allow limitations on certain implied warranties and/or the limitation on incidental or consequential damages, so the above limitations and exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. This Limited Lifetime Warranty applies only to products purchased within the United States of America (USA) and Canada. For warranty applicable to products purchased in all other geographical areas, see www.zircon.com/warranty.</p>	<p>ZIRCON®</p> <p>Any in-warranty defective product returned to Zircon, freight prepaid, along with dated purchase receipt and \$10.00 to cover shipping and handling, will be repaired or replaced, at Zircon's option. If the returned product is no longer available, Zircon may replace the product with a similar product of similar function. This is your sole and exclusive remedy for breach of this Limited Lifetime Warranty. To return product, call the Zircon Customer Service number below to request an RMA number and return product with shipment tracking to:</p> <p>Zircon Corporation Attn: Returns Department 1580 Dell Avenue Campbell, CA 95008-6992 USA</p> <p>Include your name, return address, RMA number, and package tracking number. Allow 4 to 6 weeks for delivery.</p> <p>If you do not agree to the terms of this Limited Lifetime Warranty, you may not use this product and must promptly return it to the retailer, along with a dated purchase receipt within 30 days of purchase for a refund of the purchase price.</p> <p>Customer Service: 1-800-245-9265 or 1-408-963-4550 Monday-Friday, 8:00 a.m.-5:00 p.m. PST www.zircon.com • info@zircon.com</p> <p>©2021 Zircon Corporation PIN 58932 • Rev D 10/21</p> <p>MetalliScanner and Zircon are trademarks or registered trademarks of Zircon Corporation.</p> <p></p>

INSTALLING THE BATTERY

Slide open the battery compartment door and connect the 9-volt battery to the battery clip. Insert the battery into the MT 6 battery compartment and replace the door. With normal use, one 9-volt battery should last approximately one year.



GETTING FAMILIAR WITH THE DISPLAY



The display has indicators that indicate status and show information about detected objects (targets).

There are 3 status indicators: low battery, audible, and silent icons. The low battery icon is displayed when the battery has less than five hours of use remaining. The AUDIBLE icon will always be on when the unit is in the AUDIBLE mode. In the SILENT mode, the SILENT icon will be active.

The remaining icons indicate information about a target:

- The magnetic icon is displayed whenever the unit detects magnetic material, such as iron.

If non-magnetic material (copper, for example) is detected, the icon will show a line through the magnet. Neither icon is displayed until the MT 6 detects metal at less than 6 in. (15 cm) deep.

- The depth bars represent the depth of the target. Depth is indicated in both inches and centimeters. The bars begin from the bottom of the display and sequentially turn on as the MT 6 gets closer to the metal. The depth numbers correspond to the depth to the top surface of the metal target.
- The plus sign indicates that you are moving toward metal, while the minus sign indicates movement away from it. If the unit is stationary, the icon indicates the most recent movement. When a target is passed, the plus sign changes to the minus sign and the MT 6 beeps (in the AUDIBLE mode).

TURNING THE MT 6 ON AND OFF

The 3 position mode select switch turns the MT 6 on and off and selects either AUDIBLE or SILENT operation.

- Turn the unit on by moving the mode switch to either the AUDIBLE or SILENT position. This should be done in air and away from any metal.
- The MT 6 performs a calibration immediately after it is turned on.

Note: If the unit fails to calibrate, you will hear a long, low-pitched tone and all the depth bars will be displayed. If this happens, check the area for any large metal objects and remove them or move the unit to a different location. Then try turning the unit on again.

- To turn the MT 6 off, move the mode switch to the OFF position.
- The auto power off feature turns off the MT 6 after five minutes of inactivity. After it turns off, the unit loses its calibration.

PRESCANNING THE TARGET AREA

Note: 1. Before scanning, wipe the area to be scanned clean of sand and pebbles.

2. If the scanning surface is fairly rough, place a thin piece of cardboard between the surface and the unit.

The thickness of the cardboard must be subtracted from the depth reading to determine the actual depth to the target when using this procedure.

- Turn on the unit away from the surface to be scanned.
- Place the unit on the scanning surface and move from side to side. As a target is approached, an increasing number of depth bars will show. At the point closest to metal, the plus sign will change to a minus sign and there will be a beep (in AUDIBLE mode.)
- The type of metal detected will be indicated by the magnetic/nonmagnetic icon.
- Once you have located a target, reposition the MT 6 over it and scan perpendicular to your original scanning direction to be sure you have determined the extent of the target. If the target is a rod or pipe, the depth indicator will remain constant as you scan along the length.
- Continue scanning to determine if there are multiple targets. If precise depth is important, determine an area that is free of metal for recalibration (See next section).
- If desired, mark target locations. Crosshairs on the top and front of the unit show where sensitivity is maximum.

RECALIBRATION FOR MAXIMUM DEPTH ACCURACY

The MT 6 automatically calibrates when turned on. However, depth accuracy is dependent on the materials in the vicinity of the measurement, in particular, when the materials may contain metal or metallic minerals, as is common with various mixes of concrete. Thus, it is often beneficial to recalibrate after prescanning targets before making a final determination of depth. Recalibration will not affect the positioning accuracy.

To recalibrate:

- Locate an area on the surface where there is no indication of metal.

Note: If a grid pattern exists, such as may occur with rebar in concrete, there may be no area free of metal.

In this case, best results may be obtained by calibrating midway between targets. However, accuracy may be affected and recalibration may not improve overall depth accuracy.

- Press and release the PRESS TO RECALIBRATE switch. All icons on the display will light momentarily during calibration.
- Rescan target areas. A final determination of depth can now be obtained from the depth indicator.

DEPTH ACCURACY AND TARGET SIZE

The depth readings are specifically tuned for measuring ½ in. (13 mm) copper pipe or #4 rebar. For any other metal object, the depth reading of the MT 6 will be less accurate.

- Small objects such as nail heads will be shallower than indicated.
- For rebar other than #4, the depth reading is accurate to about ±1 in. (±2.54 cm).
- For ¼ in. (6.4 mm) copper pipe, actual depth will be about 30% shallower than indicated.
- For ¾ in. (19 mm) copper pipe, actual depth may be about 20% deeper than indicated.
- Large metallic objects, such as pieces of sheet metal, at very shallow depths may give erroneous indications of metal type (magnetic vs. non-magnetic).

⚠ WARNING

- Always turn off power when working near electrical wires.
- In situations involving multiple, closely spaced targets, the MT 6 may be unable to detect the exact location and/or depth of each piece of metal. Always use caution and wear safety glasses when nailing, cutting, or drilling in walls, floors, and ceilings that may contain metal objects.
- If a magnetic and non-magnetic object (ex., rebar and copper pipe) are positioned side-by-side or on top of each other, the MT 6 may have difficulty locating them.

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SPECIAL CONSIDERATIONS

- Rough Surfaces:** Wipe area to be scanned clean of sand and pebbles. If scanning surface is still fairly rough, place very thin cardboard between surface and unit. Cardboard thickness must be subtracted from the depth reading to determine actual depth to the target.

HELPFUL HINTS

SITUATION	PROBABLE CAUSES	SOLUTIONS
Difficulty detecting metal accurately.	Metal spaced too closely together prevents calibration.	<ul style="list-style-type: none"> Avoid wearing any jewelry, including watches, when using the MT 6 and move large metal tools away from target, when feasible. Use constant, light pressure during scan. Allow 5 to 10 minutes for temperature to stabilize before operating if unit has been moved to an area with a 10°F (-12°C) change or greater (e.g., from air conditioned building to outdoors on a warm day).
Inaccurate calibration and/or depth reading because magnetic/non-magnetic objects positioned side-by-side or on top of each other.	<ul style="list-style-type: none"> Calibrated directly over a metal target. Concrete and rebar are in segments that could have been poured at different times. 	<ul style="list-style-type: none"> Calibrate away from metal to accurately determine depths. Move the unit over a few centimeters and recalibrate. Make sure the MT 6 touches the surface it is scanning. Do not rely on single calibration for the entire area. Prescan each segment separately; calibrate and determine depth of targets for each segment of concrete. For maximum accuracy on concrete, make sure concrete is fully cured.
Calibration is lost.	Unit was turned off or mode changed.	Recalibrate every time you change mode or turn on unit.
Beep doesn't seem relative to targets.	<ul style="list-style-type: none"> Scanning near the edge of a piece of concrete. Target is more than 4 in. (10 cm) deep; unit will not beep at the same time as plus/minus change and maximum depth bars appear. 	Ignore beep and rely on depth bars to locate target.
Unit makes long, low-pitched tone and display does not return to normal.	Calibration error has occurred.	Reposition the MT 6 and recalibrate.
Low battery indicator.	Battery has less than 5 hours of use remaining.	Replace with brand new 9V alkaline battery to maintain sensitivity.

FCC Part 15 Class B Registration Warning: This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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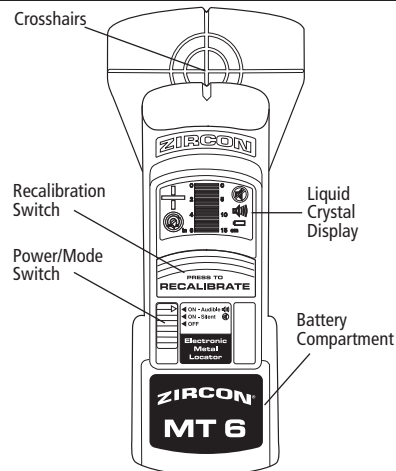
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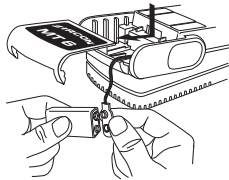
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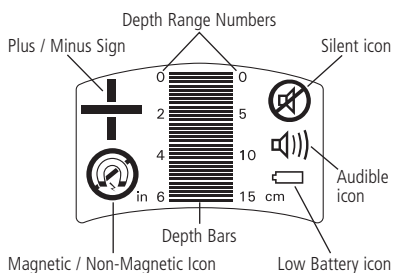
Visit www.zircon.com for the most current instructions.	
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