

# MYLEK<sup>®</sup>

## METAL DETECTOR

### MYMD1061



User Manual -  
Please read and retain for future reference

[www.hsdonline.co.uk](http://www.hsdonline.co.uk)

## Introduction

### General Information

Please read the entire instruction manual before using the product and then save it for future reference. We reserve the right for any errors in text or images and any necessary changes made to technical data. If you have any questions concerning technical problems please contact our Customer Services on 0800 091 3171.

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### Safety Instructions

General safety instructions for metal detectors:

Warning: Read all the instructions. Failure to comply with the following instructions can lead to electric shocks, fires or serious injury.

**SAVE THESE INSTRUCTIONS.**



## Features

With your Metal Detector, you can hunt for coins, relics, jewellery, gold, and silver just about anywhere. This metal detector is very versatile and easy to use.

The detector's features include:

*EARPHONE JACK* – lets you connect earphones to the detector for privacy.

*VIEW METER AND POINTER* – shows the probable type of metal being detected.

*WATERPROOF SEARCH COIL* – lets you use the detector's search coil even under water.

*NOTE: The search coil is waterproof, but the control housing is not waterproof.*

*ADJUSTABLE STEM* – lets you adjust the detector's length for comfortable use.

*NOTE: Your metal detector requires six AA alkaline batteries (not supplied)*

## Treasure Hunter's Code of Ethics

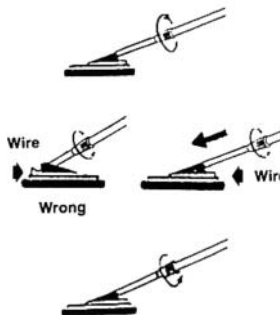
All treasure hunters might be judged by the example you set. Here are a few basic rules you should follow while using your detector.

- Always get permission before searching any site.
- Respect the rights and property of others.
- Observe and respect all national and local laws while treasure hunting.
- Never destroy historical or archeological treasures. If you are not sure about an object you have found, contact a museum or historical society in your area.
- Leave the land and vegetation as it was. Fill in any holes you dig.
- Use your detector only in safe areas.
- Dispose of any junk you find, only in approved areas. Do not leave it for the next treasure hunter to find.

## Adjusting the Stem

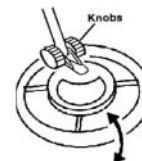
Follow these steps to adjust the metal detector's stem.

1. Carefully turn the stem's lock nut clockwise until it loosens.
2. Lengthen or shorten the stem so when you stand upright you are comfortable with the detector in your hand, the search coil is level with and about 1/2 to 2 inches above the ground with your arm relaxed at your side.
3. Carefully turn the stem's lock nut counter clockwise to lock it in place.



## Adjusting the Search Coil

Loosen the knobs at the search coil's end, then adjust the search coil to the desired angle. (The search coil should be parallel with the ground.) Tighten the knobs just enough to keep the search coil from rotating or wobbling.



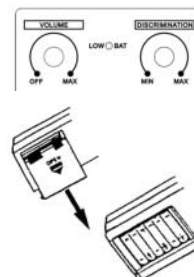
## Installing Batteries

You need six AA batteries to power your detector (not supplied).

### CAUTION:

- Use only fresh batteries of the required size and recommended type.
- Do not mix old and new batteries, different types of batteries (standard, alkaline, or rechargeable), or rechargeable batteries of different capacities.
- If the detector is not to be used or to be stored remove the batteries to avoid leakage.

1. If the detector is on, turn VOLUME on the control housing to the OFF position, (The control clicks.)
2. Carefully press on the battery compartment cover and slide the cover off in the direction of the arrow.
3. Insert the batteries into the compartment as indicated by the polarity symbols (+ and -) marked inside the compartment.
4. Carefully replace the cover.



### CAUTION:

- Always remove old or weak batteries if the unit is not used or is stored, batteries can leak chemicals that can destroy electronic parts.
- Please change the batteries when LOW BAT light shows.

## Using Earphones

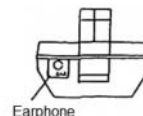
You can connect a pair of earphones (supplied) to the detector so you can listen to it privately. Using earphones also saves battery power and makes it easier to identify subtle changes in the sounds you hear, for better detection results.

### LISTENING SAFELY

To protect your hearing, follow these guidelines when you use earphones.

- Set the volume to the lowest setting before plugging in the earphones. Carefully adjust the volume to a comfortable level.
- Do not listen at extremely high volume levels.
- Once you set the volume, do not increase it. Over time, your ears adapt to the volume level. High Volume levels can cause discomfort and damage your hearing.

To connect earphones to the detector, insert the earphones' 1/8-inch plug into the EAR jack on the side of the control housing.



**NOTE:** The detector's internal speaker disconnects when you connect earphones.

### TRAFFIC SAFETY

Never wear earphones while operating your detector near high-traffic areas.

## Operation

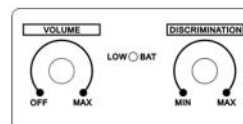
### Preparing the Detector

Your metal detector distinguishes between ferrous and non-ferrous metals. Ferrous metals contain iron, while non-ferrous metals such as gold, copper, platinum, lead, nickel do not. The detector cannot discriminate between silver, aluminum and fine copper.

When the detector senses a metallic object the meter reading changes.

#### TURNING ON THE DETECTOR

Hold the detector in a comfortable position and then rotate VOLUME away from OFF to the desired sound level.



#### TUNING THE DETECTOR

1. Rotate VOLUME to the 11 o'clock position.
2. Set DISCRIMINATION to its midpoint.
3. Hold the search coil about 1 foot above the ground and keep away from any metal objects.
4. Hold down the RED button on the handle until the pointer on the view meter rests at or near 0, then release the RED button.
5. Note: Press the RED button on the handle at any time during operation to automatically return the pointer to 0.

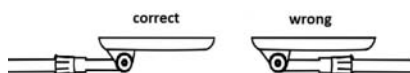
## Testing and using the Detector

To learn how the detector reacts to different metals, you should test it before you use it the first time. You can test the detector indoors or outdoors.

### INDOOR TESTING

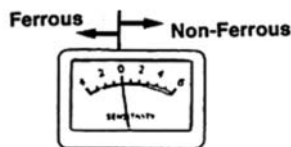
1. Remove any watches, rings, or other metal jewellery you are wearing, then place the detector on a wooden or plastic table.
2. Adjust the search coil's angle so the flat part faces the ceiling.

**NOTE:** Never test the detector on a floor inside a building. Most buildings have metal of some kind in the floor, which might interfere with the objects you are testing or mask the signal completely. Test with the coil in correct direction as shown below.



3. Rotate VOLUME to the 11 o'clock position.
4. Set DISCRIMINATION to its midpoint.
5. Hold down the RED button on the handle until the pointer on the view meter rests at or near 0, then release the RED button.
6. Move a sample of the material you want the detector to find (such as a gold ring or a coin) about 2 inches above the search coil.

When the detector detects a ferrous metal, sound becomes lower or even disappears. Meanwhile the meter pointer moves to the left. When the detector finds a non-ferrous metal the sound becomes louder and the meter points to the right.

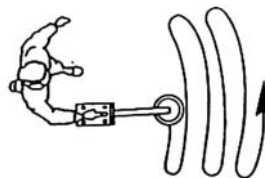


If the detector does not detect the material, check the battery power and verify that the battery is properly connected. Also, you may need to tune the detector (see "Tuning the Detector").

**Note:** If you are using a coin to test the detector, the detector detects it more easily if you hold the coin by its flat side so it is parallel with the flat side of the search coil (not the edge).

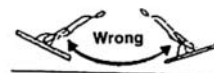
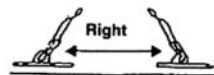
## OUTDOOR TESTING AND USE

1. Find an area on the ground outside where there is no metal.
2. Place a sample of the material you want the detector to find (such as a gold ring or a coin) on the ground. (If you are using valuable metals such as gold to test the detector, mark the area where you placed the item, to help you find it later. Do not place it in tall grass or weeds).
3. Rotate VOLUME about two-thirds clockwise. Set DISCRIMINATION to its midpoint.
4. Press and release the RED button on the handle until the pointer is at or near 0. Then release the RED button.
5. While holding the search coil level and about 1-2 inches above the ground slowly move the search coil over the area where you placed the sample, sweeping the search coil in a side-to-side motion like below.



## SEARCH COIL SWEEPING HINTS

- Never sweep the search coil as if it were a pendulum. Raising the search coil while sweeping or at the end of a sweep causes false readings. See below for correct sweep technique.
- Sweep slowly – hurrying makes you miss targets.
- When the detector detects a ferrous metal, sound becomes lower or even disappears. Meanwhile the meter pointer moves to left. When the detector finds a non-ferrous metal, it makes a louder sound and the meter points to the right.



If the detector does not detect the material, check the battery power and verify that the battery is properly connected. Also, you may need to tune the detector (see “Tuning the Detector”).

## NOTE:

- The detector responds with a strong signal on the meter when it detects most valuable metal objects. If a signal does not repeat after you sweep the search coil over the target a few times, the target is probably junk metal.
- False signals can be caused by trashy ground, electrical interference, or large irregular pieces of junk metal.
- Try finding other metal in the area. When you find a metal item, wait a few seconds, to allow the detector time to reset (or, press the RED button on the handle to return the pointer to the centre of the view meter).



## Fine-tuning the Detector

### *ADJUSTING DISCRIMINATION*

After you become familiar with how your detector works, you can fine-tune it to make it more selective in what it finds.

Discrimination is the detectors' ability to differentiate between types of metal. The detector's DISCRIMINATION setting determines whether the detector will distinguish between different types of ferrous and non-ferrous metals.

You can set DISCRIMINATION from minimum (fully counterclockwise), to maximum (fully clockwise), or anywhere in between. As you set DISCRIMINATION to higher levels, the detector first discriminates iron, then metal objects like pull tabs and nickel.

When you set DISCRIMINATION fully clockwise the sound will be lower or even disappear and the pointer will move to left when the unit detects discriminated metal. Non discriminated metal will cause the sound to be higher and the pointer will move to the right.

### NOTE:

- Each time you use the detector in a different area, you must adjust the DISCRIMINATION. Each search location presents new challenges.
- Each time after you adjust DISCRIMINATION you have to press the RED button on the handle to return the meter pointer to 0 position.

## False Signals

Because your detector is extremely sensitive, areas with high metal content and other sources of interference might cause signals that seem confusing. The key to handling these types of signals is to dig for only those targets that generate a strong repeatable signal. As you sweep the search coil back and forth over the ground, learn to recognise the difference between signals that occur at random and signals that are stable and repeatable. To reduce false signals when searching scan only a small area at a time using slow, short overlapping sweeps.

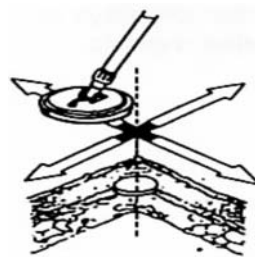
## Pinpointing a target

Accurately pinpointing a target makes finding the item easier.

Accurate pinpointing takes practice so we suggest you practice finding and digging up small metal objects on your own property before you search other locations. Sometimes, targets are difficult to accurately locate due to the sweep direction. Try changing your sweep direction to pinpoint a target.

### FOLLOW THESE STEPS TO PINPOINT A TARGET.

1. When the detector detects a buried target, continue sweeping the search coil over the target in narrowing side-to-side sweep motion. Make a visual note of the exact spot on the ground where the detector beeps.
2. Stop the search coil directly over this spot on the ground. Then move the search coil straight forward away from you and straight back towards you a couple of times. Make a visual note of the exact spot on the ground where the detector beeps.
3. Repeat Steps 1-2 at a right angle to the original search line, making an "X" pattern. The target should be directly below the "X" at the point of the loudest response.



### NOTE:

- In areas where you get false signals, slow your sweep speed and use shorter sweeps.
- Recently buried coins might not respond the same as coins buried for a long period of time because of oxidation.
- Some nails, nuts, bolts, and other iron objects (such as old bottle caps) oxidise and create a "halo" effect. A halo effect is caused by a mixture of natural elements in the ground and the oxidation created by different metals. Because of the metal mixtures, target signals might not be in a "fixed" position. This effect makes these objects very hard to detect accurately.



## Troubleshooting

### PROBLEM

### SUGGESTIONS

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The detector displays false signals.

You might be sweeping the detector's search coil too fast or at the wrong angle. Sweep the search coil more slowly and hold the detector correctly. See "Testing and Using the Detector" and "Pinpointing a Target".

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The detector might show a false signal if it detects heavily oxidised metals. Try pinpointing the target from several different angles (See "pinpointing a Target"). If the detector does not display the same signal each time, the target is probably heavily oxidised metal.

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The display does not show the correct metal type when the detector finds a target.

There might be more than one target in the area you are searching.

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The target might be a type of metal that the detector does not recognise.

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If the target is heavily oxidised, the detector might not display the correct metal type. This is not a malfunction.

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The detector makes a constant tone, then goes silent when it finds metal

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This is a normal function of the detector.

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## Environmental Responsibilities



Meaning of crossed-out wheeled dustbin:

Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities.

Contact your local council for information regarding the collection systems available.

If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain damaging your health and well-being.

When replacing old appliances with new ones, the retailer is legally obligated to take back your old appliance for disposal free of charge.

## SERVICE WARRANTY

Hygiene Supplies Direct guarantees the product free from defects in materials and workmanship for a period of 1 year from date of purchase.

Should this unit be operated under conditions other than those recommended, at voltages other than the voltage indicated on the unit, or any attempts made to service or modify the unit, then the warranty will be rendered void. The product you buy may sometimes differ slightly from illustrations. This warranty is in addition to, and does not affect, your statutory rights.

If you have any problems with this product, please call our Help Desk on 0800 091 3171 or email [sales@hygienesuppliesdirect.com](mailto:sales@hygienesuppliesdirect.com)

Hygiene Supplies Direct Ltd, Castleford, England WF10 1PR declares that the Metal Detector is exclusively manufactured and imported for Mylek.

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