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› Minelab SDC 2300 All Terrain Gold Detector User Manual

MINELAB 3230-0001

Minelab SDC 2300 All Terrain Gold Detector User Manual

Model: 3230-0001

INTRODUCTION

The Minelab SDC 2300 is a high-performance, mid-range gold detector engineered for the precise detection of sub-gram gold nuggets. Its robust design allows for effective use on land and in water, making it a versatile tool for prospectors. This compact and waterproof detector features intuitive controls and requires no complex assembly, ensuring ease of use in various environments.



Image: The Minelab SDC 2300 All Terrain Gold Detector, shown with its accompanying UR-30 headphones and a universal smart LCD NiMH charger. The detector features a blue search coil and main unit, with a black handle and shaft.

Safety Information

Please read and understand all safety warnings before operating the Minelab SDC 2300. Failure to follow these instructions may result in injury or damage to the device.

- **Avoid using near sensitive electronic equipment or in areas where it may interfere with important communications.**
- Ensure all seals and caps are securely fastened before submerging the detector in water.
- Do not attempt to disassemble or modify the detector beyond the instructions provided in this manual.
- Keep batteries away from extreme temperatures and dispose of them properly.
- Always be aware of your surroundings when detecting, especially near water or uneven terrain.

Package Contents

Verify that all items listed below are present in your Minelab SDC 2300 package:

- Minelab SDC 2300 Gold Detector

- UR-30 Headphones
- Universal Smart LCD NiMH Charger
- 4 x C Batteries (included)
- Getting Started Guide



Image: A visual representation of the Minelab SDC 2300 detector alongside its retail packaging, headphones, charger, and batteries, indicating the complete set of items included in the product box.

SETUP

The Minelab SDC 2300 is designed for quick and easy deployment. It is largely assembly-free, allowing you to begin prospecting rapidly.

1. Unfolding the Detector

1. Carefully remove the detector from its packaging.
2. Unfold the detector by extending the shaft until it locks into place. The SDC 2300 features a compact, foldable design for portability.
3. Adjust the shaft length to a comfortable operating position. The adjustable length accommodates users of various heights.



Image: The Minelab SDC 2300 gold detector shown in its compact, folded configuration, highlighting its portability and ease of storage. The blue search coil is tucked neatly against the main unit.

2. Battery Installation

1. Locate the battery compartment on the main unit.
2. Open the compartment and insert the 4 C batteries, ensuring correct polarity.
3. Securely close the battery compartment.

3. Headphone Connection

Connect the UR-30 headphones to the designated audio jack on the detector. Ensure a firm connection for clear audio signals.

OPERATING THE DETECTOR

The SDC 2300 is designed for straightforward operation, focusing on efficient gold detection.

1. Powering On/Off

- To power on, rotate the control knob clockwise until you hear a click and the LED display illuminates.
- To power off, rotate the control knob counter-clockwise until it clicks off.

2. Operating Modes and Controls

The SDC 2300 features simplified controls for optimal performance in various conditions.

- **Sensitivity:** Adjust the sensitivity to suit ground conditions. Higher sensitivity increases detection depth but may also increase ground noise.
- **Threshold:** Set the audio threshold to a faint, continuous hum. This allows you to hear subtle changes in the signal indicating a target.
- **Ground Balance:** The SDC 2300 features automatic ground balancing, adapting to mineralized ground conditions to reduce false signals.
- **Waterproof Capability:** The detector is fully submersible up to 10 feet (3 meters), allowing for detection in riverbeds and shorelines. Ensure all seals are intact before water use.



Image: The Minelab SDC 2300 gold detector partially submerged in shallow water, demonstrating its waterproof capability up to 10 feet (3 meters). The blue search coil is underwater, ready for detecting in aquatic environments.

3. Detecting Techniques

- **Sweeping:** Maintain a consistent sweep speed and height above the ground. Overlap your sweeps to ensure thorough coverage.
- **Target Pinpointing:** Once a target signal is detected, narrow down its location by making smaller, slower sweeps over the area.
- **Patch Hunting:** The SDC 2300 is ideal for searching quickly and efficiently in hard-to-reach and remote places to find elusive gold-bearing clustered deposits.



Image: The Minelab SDC 2300 gold detector positioned on rocky terrain in an outdoor prospecting environment, illustrating its rugged construction and suitability for challenging landscapes.

MAINTENANCE

Proper maintenance will ensure the longevity and optimal performance of your Minelab SDC 2300.

- **Cleaning:** After each use, especially in wet or muddy conditions, wipe down the detector with a damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Store the detector in a cool, dry place. If storing for extended periods, remove the batteries to prevent leakage. The compact design allows for easy storage, folding down to 8.5 in x 15.7 in.
- **Battery Care:** Use only recommended C batteries. Rechargeable NiMH batteries can be used with the provided charger.
- **Inspection:** Periodically inspect the search coil cable and connections for any signs of wear or damage.



Image: The Minelab SDC 2300 gold detector shown in its compact, folded state with dimensions overlaid, indicating a size of 15.7 inches

(400mm) in length and 8.5 inches (216mm) in height. This illustrates its portability for transport in backpacks or carry-on luggage.

TROUBLESHOOTING

This section addresses common issues you might encounter with your SDC 2300.

- **No Power:**
 - Check battery installation and ensure correct polarity.
 - Replace batteries with fresh ones.
 - Ensure the power knob is fully turned to the 'ON' position.
- **Excessive Noise/False Signals:**
 - Reduce sensitivity setting.
 - Ensure proper ground balance (automatic on SDC 2300, but check for extreme ground conditions).
 - Move away from sources of electromagnetic interference (power lines, other electronics).
- **No Audio from Headphones:**
 - Check headphone connection to the detector.
 - Ensure headphones are functioning correctly (test with another device if possible).
 - Verify detector is powered on and volume is adequate.
- **Detector Not Submersible:**
 - Ensure all caps, seals, and battery compartment are securely closed and free of debris before submersion.
 - Do not exceed the 10 ft (3m) depth limit.

SPECIFICATIONS

Feature	Detail
Brand	MINELAB
Model Number	3230-0001
Color	Gold (referring to the product's primary function)
Material	Gold (referring to the product's primary function)
Power Source	AC/DC (for charger), Batteries (for detector)
Item Weight	5.1 Pounds (2.31 kg)
Product Dimensions	59 x 9.5 x 2 inches (unfolded)
Folded Dimensions	8.5 in x 15.7 in (216mm x 400mm)
Adjustable Length	Yes
International Protection Rating	IP54 (Waterproof up to 10 ft / 3m)
Recommended Uses	Metal Detection (specifically gold prospecting)

Feature	Detail
Display Type	LED
Number of Programs	1 (optimized for gold)
Batteries	4 C batteries required (included)
UPC	811493014777, 333830041210

WARRANTY AND SUPPORT

For detailed warranty information and technical support, please refer to the official Minelab website or contact Minelab customer service directly. Keep your proof of purchase for warranty claims.

- **Online Support:** Visit the official Minelab website for FAQs, product registration, and software updates.
- **Contact Customer Service:** Refer to the contact information provided in your product packaging or on the Minelab website for direct assistance.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question