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AOFAR AF-4074B

AOFAR AF-4074 Military Compass User Manual

Model: AF-4074B | Brand: AOFAR

1. INTRODUCTION

The AOFAR AF-4074 Military Compass is a robust and versatile navigation tool designed for outdoor enthusiasts, hikers, campers, and anyone requiring reliable directional guidance. Its durable metal construction ensures longevity and resistance to harsh conditions, while its advanced features provide high accuracy and ease of use in various environments.

This manual provides detailed instructions on the compass's features, setup, operation, maintenance, and troubleshooting to ensure optimal performance and a safe outdoor experience.

2. PRODUCT FEATURES

- **Multifunctionality:** Features a floating compass dial with a 360-degree scale, an adjustable prism lens, and a foldable metal lid. It also includes a clinometer for measuring height and slopes.
- **Durable Metal Construction:** Built with robust metal, making it waterproof and shockproof to withstand harsh outdoor conditions.
- **High Accuracy:** Equipped with a thermoelastic liquid-filled capsule and a true sighting optic for direct and precise readings of the internal compass card.
- **Easy Readability:** Designed with a thumb hold, magnifying viewer, and sighting hairline for quick and clear readings. The liquid-filled capsule ensures stable needle movement.
- **Complete Package:** Includes 1 x AOFAR AF-4074 Compass, 1 x English Manual, and 1 x protective pouch.



Figure 2.1: The AOFAR AF-4074 Military Compass in its open position, displaying its various components.

3. SETUP

Upon receiving your AOFAR AF-4074 Military Compass, carefully remove it from its packaging. The compass comes with a protective pouch and a wrist lanyard for convenient carrying and secure handling.

- **Unboxing:** Remove the compass from its box and the bubble wrap.
- **Pouch:** Store the compass in the provided camouflage pouch when not in use to protect it from scratches and impacts.
- **Lanyard:** Attach the wrist lanyard to the designated loop on the compass for added security during use.

4. OPERATING INSTRUCTIONS

The AF-4074 compass is designed for precise navigation. Familiarize yourself with its components and functions for effective use.

4.1. Basic Compass Reading

- Open the compass fully until the lid and sighting arm form a straight line with the base.
- Hold the compass level. The liquid-filled capsule ensures the dial settles quickly.
- Read the bearing indicated by the north arrow on the floating dial.



Figure 4.1: Top-down view of the compass, highlighting the main dial.

4.2. Using the Lensatic Sighting System

The lensatic sighting system allows for accurate bearings to distant objects.

- Hold the compass at eye level.
- Look through the magnifying viewer (eyepiece) at the rear of the compass.
- Align the sighting hairline on the lid with your target.
- Simultaneously read the bearing from the magnified dial through the viewer.



Figure 4.2: Detailed view of the lensatic sighting system for precise bearing readings.

4.3. Using the Inclinator

The inclinometer measures angles of slope or elevation.

- Locate the inclinometer scale on the side of the compass.
- Point the compass towards the top or bottom of the slope/object you wish to measure.
- Read the angle indicated by the inclinometer needle.



Figure 4.3: The inclinometer allows for measurement of slopes and elevations.

4.4. Using Measurement Markers

The compass features rulers on its sides for measuring distances on maps.

- The compass has scales in meters and centimeters.
- Align the appropriate scale with the distance on your map.
- Refer to your map's legend to convert the measured distance to real-world distance.



Figure 4.4: A user demonstrating the sighting function of the compass in an outdoor setting.

5. MAINTENANCE

To ensure the longevity and accuracy of your AOFAR AF-4074 Military Compass, follow these maintenance guidelines:

- **Cleaning:** Wipe the compass with a soft, damp cloth after each use. Avoid abrasive cleaners or solvents that could damage the finish or optical components.

- **Storage:** Store the compass in its protective pouch in a cool, dry place away from direct sunlight and strong magnetic fields.
- **Handling:** While durable, avoid dropping the compass or subjecting it to excessive force, as this could affect its calibration.
- **Waterproof:** The compass is waterproof, but prolonged submersion is not recommended. Ensure it is dry before storing.

6. TROUBLESHOOTING

If you encounter any issues with your AOFAR AF-4074 Military Compass, consider the following:

- **Inaccurate Readings:** Ensure you are away from strong magnetic fields (e.g., power lines, metal objects, electronic devices) that can interfere with the compass needle.
- **Stuck Needle:** Gently tap the compass to dislodge the needle if it appears stuck. If the issue persists, contact customer support.
- **Bubble in Capsule:** A small bubble is normal in liquid-filled compasses. A large or growing bubble might indicate a leak; contact customer support if this occurs.

7. SPECIFICATIONS

Feature	Detail
Brand	AOFAR
Model Name	AF-4074B
Color	Black
Material	Zinc
Product Dimensions (LxW)	4.3"L x 1.8"W
Item Package Dimensions (LxWxH)	4.4 x 3.3 x 1.8 inches
Package Weight	0.34 Kilograms
Special Feature	Waterproof
Included Components	Manual, Bag, Wrist Lanyard
Sport Type	Cycling (also suitable for Hiking, Camping, Boating, etc.)
Model Year	2022
UPC	633696547346

8. WARRANTY & SUPPORT

The AOFAR AF-4074 Military Compass comes with a **TWO YEARS WARRANTY**. For any warranty claims, product support, or inquiries, please refer to the contact information provided in the included English Manual or visit the official AOFAR brand store.

AOFAR is committed to providing the best support for its products and customers.