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› Proster IP65 Lensatic Sighting Compass User Manual

Proster PST033

Proster IP65 Lensatic Sighting Compass User Manual

Model: PST033

Brand: Proster

1. INTRODUCTION

Thank you for choosing the Proster IP65 Lensatic Sighting Compass. This professional-grade compass is designed for reliable navigation in various outdoor activities, including hiking, camping, hunting, and geology. Its robust metal construction and advanced features ensure accuracy and durability in challenging conditions.

Included Components:

- 1 x Proster IP65 Lensatic Sighting Compass
- 1 x Carry Pouch
- 1 x Lanyard
- 1 x User Manual



Figure 1: Compass, pouch, lanyard, and manual as packaged.

2. PRODUCT OVERVIEW

The Proster IP65 Compass features a durable metal body and a range of functionalities to assist with precise navigation and measurement.



Figure 2: Proster IP65 Lensatic Sighting Compass in open position.

Key Features:

- **Sighting Optic:** Features a vertical lubber line for direct data reading and improved accuracy.
- **Fluorescent Dial:** Luminous magnet arrow and compass card allow for data reading in dark environments after absorbing sufficient sunlight.
- **Clinometer:** Integrated tool for measuring height and slopes.
- **Durable Construction:** Foldable metal lid, floating compass dial with 360° scale, and adjustable prism lens.
- **Waterproof & Shakeproof:** IP65 rated, capable of working under extreme weather conditions.

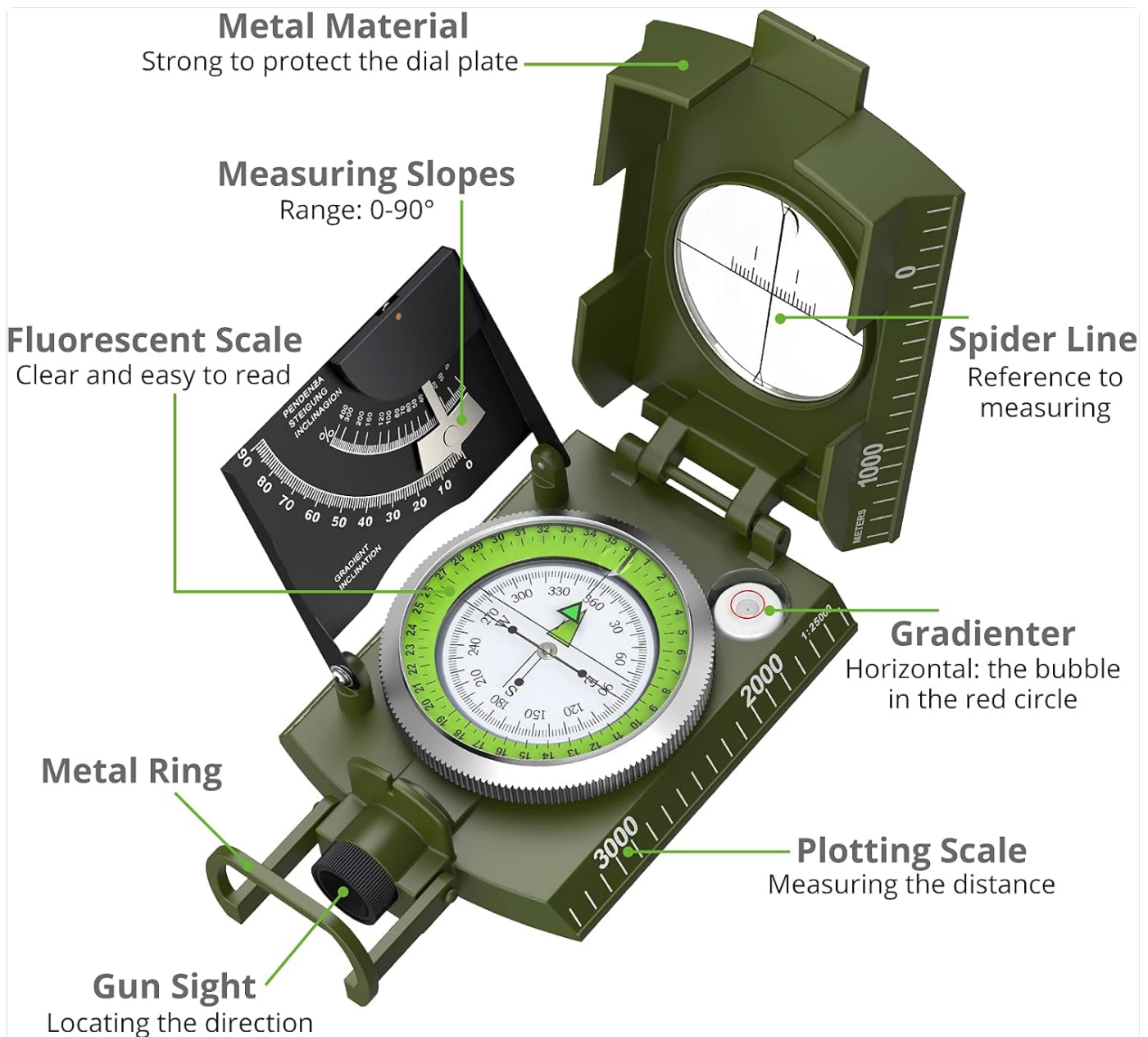


Figure 3: Detailed view of compass components and features.

3. SETUP

1. **Unfold the Compass:** Open the metal lid and the sighting arm completely until they lock into position.
2. **Charge Fluorescent Features:** Expose the compass dial and magnet arrow to bright light (sunlight or artificial light) for a few minutes to activate the fluorescent effect for night use.
3. **Attach Lanyard:** Secure the provided lanyard to the compass for easy carrying and to prevent accidental drops.

4. OPERATING INSTRUCTIONS

4.1 Basic Navigation

Hold the compass level and steady. The floating dial will settle, indicating magnetic north. The 360° scale allows for precise bearing readings.

Fluorescent Light Design

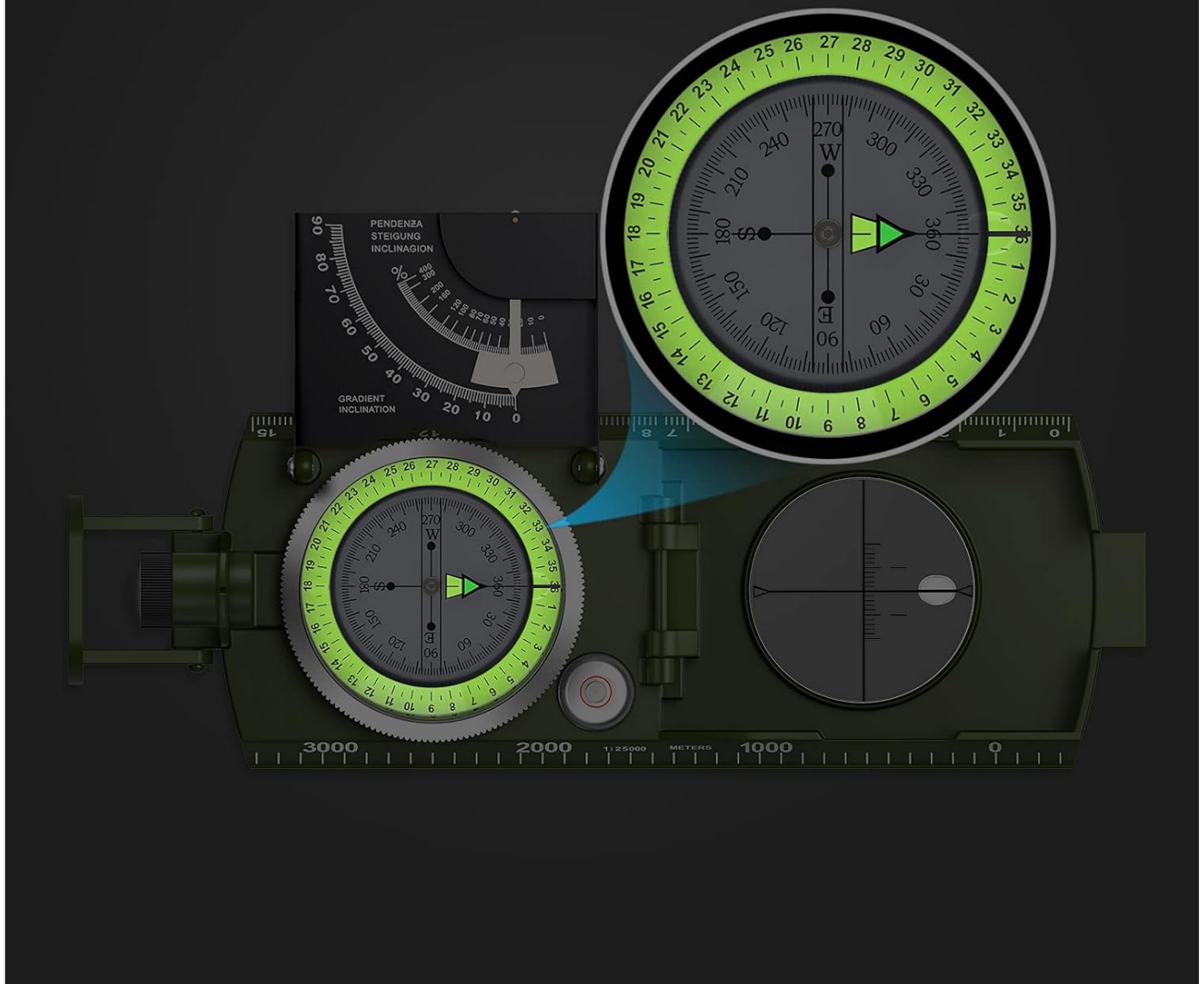


Figure 4: Fluorescent light design for visibility in low-light conditions.

4.2 Sighting and Bearing

1. Open the compass fully.
2. Hold the compass at eye level, looking through the sighting optic.
3. Align the vertical lubber line with your target.
4. Read the bearing directly from the compass dial through the adjustable prism lens.

For a visual guide on sighting and general use, refer to the video below:

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Video 1: Demonstrates the use of the Proster Hiking Compass with Sighting Clinometer. (Source: PROSTER US)

4.3 Clinometer Function

The clinometer allows you to measure angles of inclination or declination, useful for determining the steepness of slopes or heights of objects.

1. Hold the compass vertically with the clinometer arm extended.
2. Align the sighting optic with the top or bottom of the object you wish to measure.
3. Read the angle from the clinometer scale.

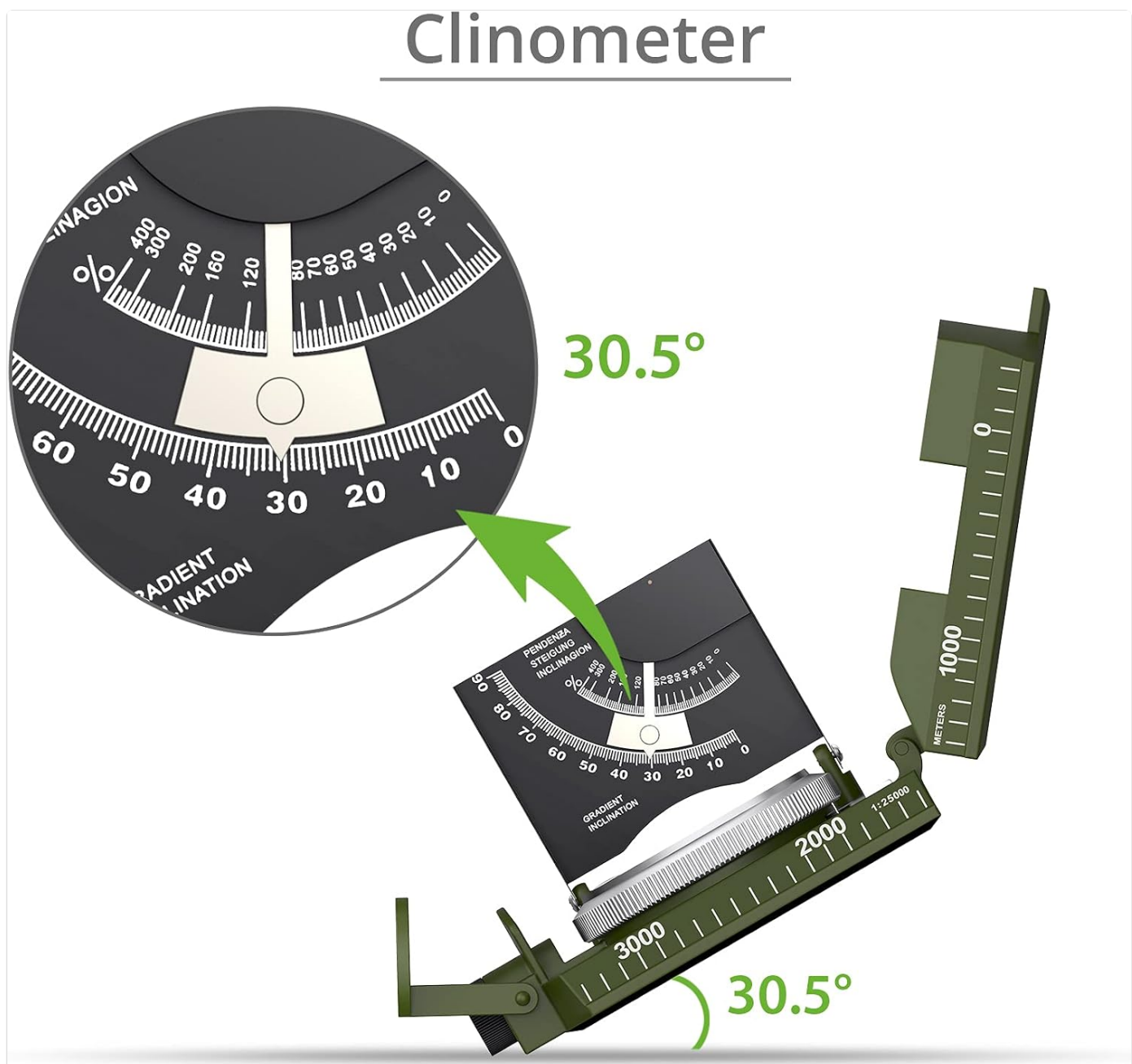


Figure 5: How to read the clinometer for angle measurements.

Another helpful video demonstrating the clinometer and overall compass functionality:

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Video 2: Comprehensive demonstration of the Proster IP65 Hiking Compass, including sighting and clinometer use. (Source: PROSTER US)

4.4 Map Reading and Distance Measurement

The compass features graduated scales on its sides, useful for measuring distances on maps.

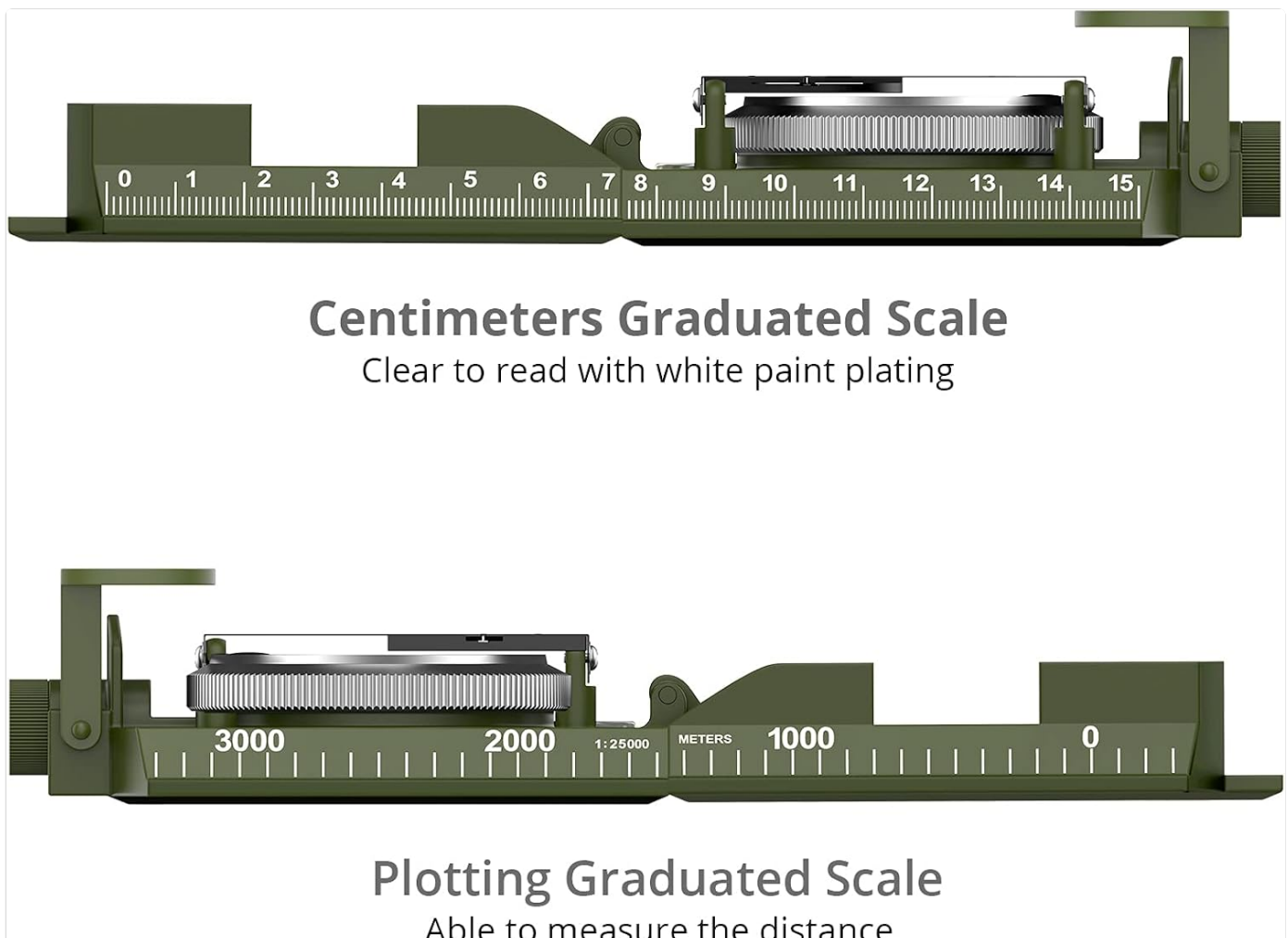


Figure 6: Centimeter and plotting graduated scales for map work.

1. Identify the scale of your map (e.g., 1:25000).
2. Use the appropriate scale on the compass (e.g., "1:25000 METERS") to measure the distance between two points on your map.
3. The compass also has a standard centimeter scale for general measurements.

5. MAINTENANCE

- **Cleaning:** Wipe the compass with a soft, damp cloth to remove dirt and debris. Avoid abrasive cleaners.
- **Storage:** Store the compass in its provided carry pouch when not in use to protect it from scratches and impacts. Keep it away from strong magnetic fields.
- **Water Resistance:** The compass is IP65 waterproof, meaning it is protected against dust and low-pressure water jets (e.g., rain). It is *not* designed to be submerged in water.
- **Handling:** Avoid dropping the compass or subjecting it to severe shocks, as this may affect its accuracy.

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Video 3: Demonstrates the waterproof capabilities of the Proster Hiking Compass. (Source: PROSTER US)

6. TROUBLESHOOTING

- **Inaccurate Readings:**
 - Ensure you are holding the compass level.
 - Check for nearby magnetic interference (e.g., cell phones, metal objects, power lines, vehicles). Move to an

open area away from such sources.

- Verify the dial is moving freely and not sticking.

- **Dial Not Moving Freely:**

- Ensure the compass is held perfectly level.
- Check for any physical obstructions or damage to the dial.

- **Fluorescent Markings Not Glowing:**

- The markings require exposure to light to charge. Expose the compass to bright light for a longer period.

7. SPECIFICATIONS

Attribute	Detail
Brand	Proster
Model Name	Hiking Compass (PST033)
Color	ArmyGreen
Material	Metal
Item Weight	330 Grams
Item Package Dimensions	4.49 x 3.27 x 1.85 inches
Special Feature	Foldable
Waterproof Rating	IP65
UPC	753807577946

8. WARRANTY AND SUPPORT

The Proster IP65 Lensatic Sighting Compass comes with an **18-month warranty** from the date of purchase.

For any questions, technical support, or warranty claims, please contact Proster customer service through the retailer's platform or visit the official Proster website for contact information.

Please retain your proof of purchase for warranty purposes.