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Proster PSTPST216

Proster Professional Military Compass with Clinometer

Model: PSTPST216

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1. OVERVIEW

The Proster Professional Military Compass with Clinometer is a robust and versatile navigation tool designed for various outdoor activities. Constructed from lightweight aluminum alloy, it offers durability and precision for reliable direction finding and slope measurement.

Key Features:

- **Lightweight and Professional:** Made from 140g aluminum alloy, ensuring portability and durability.
- **Integrated Clinometer:** Allows for measuring height and slope, essential for geological surveys and mountaineering.
- **Fluorescent Design:** Features a luminous dial and directional arrow for clear readings in low-light conditions after exposure to sunlight.
- **Optical Observation:** Provides direct reading of compass data with a vertical baseline for enhanced accuracy and reduced errors.
- **Portable:** Includes a lanyard and a carrying pouch for easy transport and protection.
- **Versatile:** Suitable for camping, hiking, boating, exploration, hunting, trekking, geology, and military use.



The Proster compass is ideal for navigation during outdoor adventures.

2. SETUP

2.1 Unboxing and Initial Inspection

1. Carefully remove the compass from its packaging.
2. Check for all included components: the compass unit, lanyard, and carrying pouch.
3. Inspect the compass for any visible damage. Ensure the hinged cover opens and closes smoothly, the dial rotates freely, and the level indicator is intact.



The compass comes with a lanyard and a protective carrying pouch.

2.2 Attaching the Lanyard

Attach the included lanyard to the designated loop on the compass. This allows for secure carrying around your neck or wrist, preventing accidental drops during use.



The carrying pouch provides protection and easy storage for the compass.

3. OPERATION

3.1 Basic Compass Use

1. Open the compass cover completely.
2. Hold the compass level and steady. The built-in level indicator can help ensure it is perfectly horizontal.
3. Allow the floating dial to settle. The red end of the needle points to Magnetic North.
4. Rotate the compass housing until the desired bearing aligns with the sighting line or the direction of travel.



Familiarize yourself with the compass components for accurate navigation.

3.2 Using the Optical Sighting Mechanism

For precise bearings, use the optical sighting mechanism:

1. Partially close the cover to an angle that allows you to look through the sighting window.
2. Align the sighting line with your target in the distance.
3. Simultaneously, look through the adjustable eyepiece to read the bearing on the compass dial. The vertical baseline in the eyepiece enhances precision.

Video demonstrating the Proster Military Compass features, including weight comparison, fluorescent dial, and sighting mechanism.

Watch this video for a visual guide on using the compass's features.

3.3 Measuring Slopes with the Clinometer

The built-in clinometer allows you to measure the angle of a slope:

1. Place the compass firmly against the surface of the slope you wish to measure.
2. Press the lock button to release the clinometer pointer.
3. Once the pointer has stabilized, release the lock button and read the gradient value from the scale.

The range is 0-90 degrees.

Built-in Inclinometer



1. Fixing the compass on the slope to be measured.



2. Press the lock button to release the pointer.

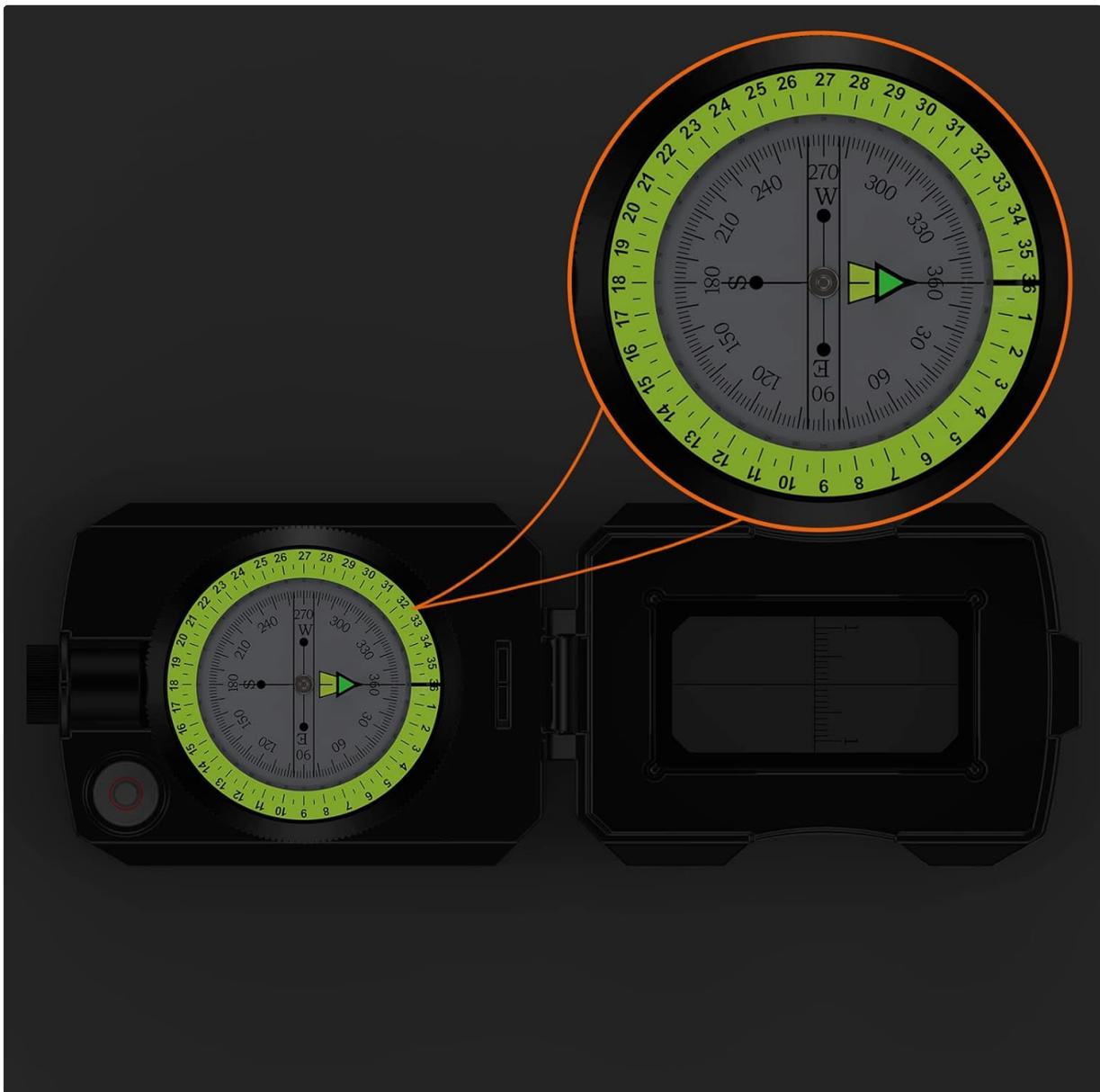


3. Release the lock button once the pointer has stabilised and read out the gradient value.

Step-by-step guide for using the clinometer to measure slopes.

3.4 Low-Light Operation (Fluorescent Feature)

The compass features a fluorescent dial and directional arrow for visibility in the dark. To activate this feature, ensure the compass has been exposed to sufficient sunlight or artificial light beforehand. The phosphorescent materials will then glow, allowing for night-time readings.



The fluorescent dial ensures readability in low-light conditions.

4. MAINTENANCE

4.1 Cleaning

- Wipe the compass with a soft, damp cloth to remove dirt or dust.
- For stubborn dirt, use a mild soap solution. Avoid harsh chemicals or abrasive cleaners.
- Ensure the compass is completely dry before storing.

4.2 Storage

- Store the compass in its protective carrying pouch when not in use.
- Keep the compass away from strong magnetic fields (e.g., magnets, electronic devices, metal objects) to prevent demagnetization or inaccurate readings.
- Store in a cool, dry place.

5. TROUBLESHOOTING

5.1 Inaccurate Readings

- **Magnetic Interference:** Ensure you are away from any metal objects, power lines, or electronic devices that could interfere with the compass's magnetic needle.
- **Leveling:** Always hold the compass perfectly level. Use the built-in level indicator to assist.
- **Dial Movement:** Check if the floating dial is obstructed or sticking. If so, gently tap the compass to free it.

5.2 Clinometer Pointer Not Moving Freely

- Ensure the lock button is fully released.
- Check for any debris or obstruction around the pointer mechanism.

6. SPECIFICATIONS

Feature	Detail
Brand	Proster
Model Number	PSTPST216
Material	Metal (Aluminum Alloy)
Color	Black
Weight	142 Grams
Dimensions (L x W x H)	11 x 8 x 0.1 cm
Water Resistance	IP54 (Splash-proof, not for submersion)
Clinometer Range	0-90 degrees
Included Components	Compass, Carrying Pouch, Lanyard

7. WARRANTY & SUPPORT

Proster products are designed for reliability and performance. For warranty information, technical support, or any inquiries regarding your Proster Professional Military Compass, please refer to the contact details provided with your purchase or visit the official Proster website. Keep your purchase receipt as proof of purchase for warranty claims.