

Sportneer Y21-80300-05

Sportneer Military Lensatic Sighting Compass with Inclinator

Model: Y21-80300-05

1. PRODUCT OVERVIEW

The Sportneer Military Lensatic Sighting Compass is a robust and versatile navigation tool designed for outdoor activities, military use, and emergency situations. It provides accurate direction finding, position orientation, and includes an inclinometer for measuring slopes and angles. Constructed with durable metal, it is both waterproof and shakeproof, ensuring reliability in challenging conditions. The compass also features a glow-in-the-dark interface for night use.

2. COMPONENTS AND FEATURES

Familiarize yourself with the various parts of your Sportneer compass to ensure proper use.

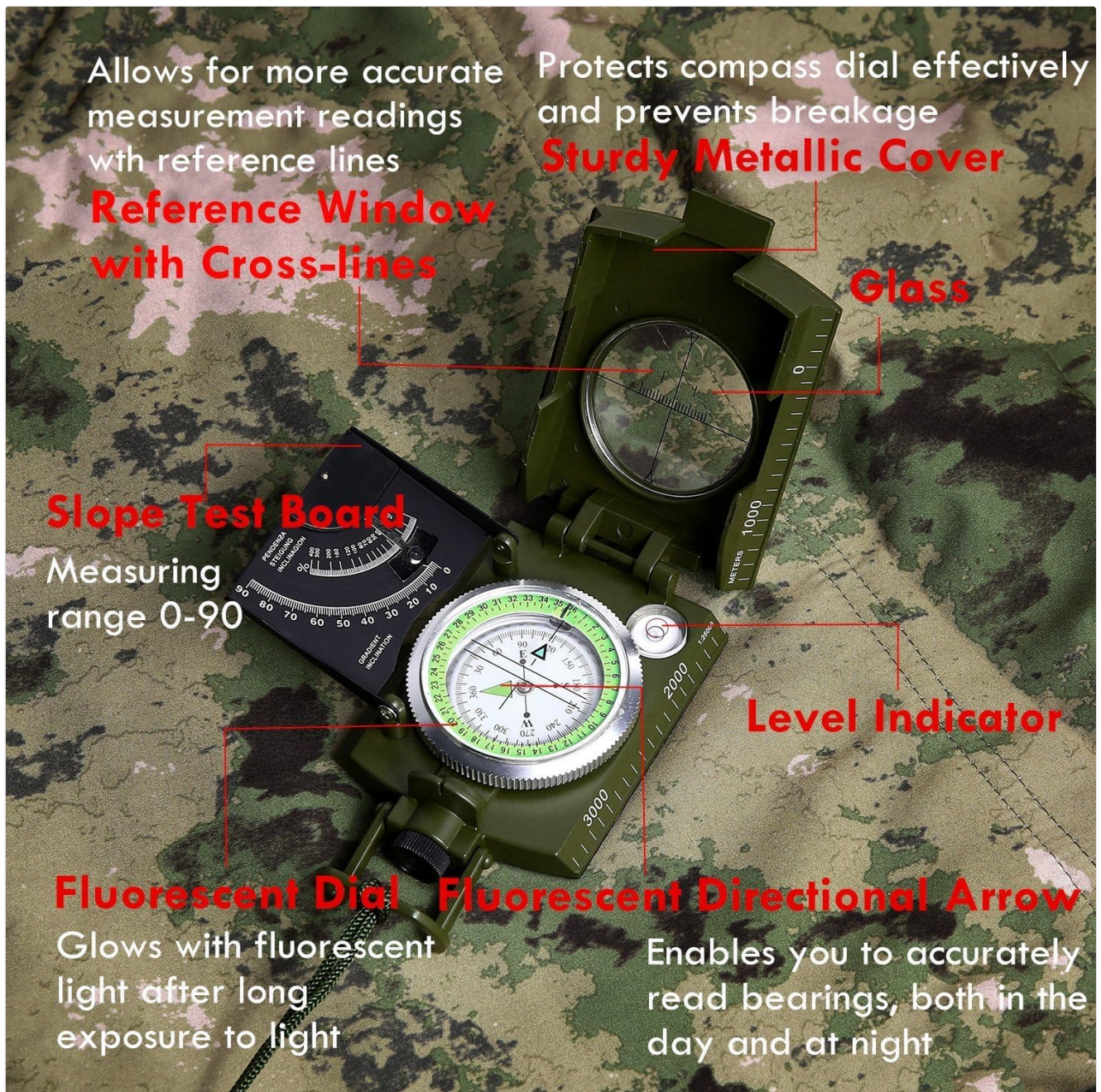


Figure 1: Compass Components. This image highlights key parts such as the Reference Window with Cross-lines, Sturdy Metallic Cover, Glass, Slope Test Board, Level Indicator, Fluorescent Dial, and Fluorescent Directional Arrow.



Centimeter Scale



1:25000 Meter Scale

Slope Test Board



Clear Sighting Line



Sighting Lens



Table of Measurement

Figure 2: Detailed Features. This image illustrates the Centimeter Scale, 1:25000 Meter Scale, Slope Test Board, Sighting Lens, Clear Sighting Line, and the Table of Measurement.

- **Sturdy Metallic Cover:** Protects the compass dial and internal mechanisms.
- **Reference Window with Cross-lines:** Used for accurate measurement readings and sighting.
- **Sighting Lens:** Magnifies the dial for easier and more precise readings.
- **Clear Sighting Line:** Aids in aligning the compass with distant objects for accurate bearings.
- **Fluorescent Dial and Directional Arrow:** Glows in the dark after exposure to light, enabling use in low-light conditions.
- **Slope Test Board (Inclinometer):** Measures angles and slopes, with a measuring range of 0-90 degrees.
- **Level Indicator:** Ensures the compass is held horizontally for accurate readings.
- **Centimeter Scale:** Located on the side for measuring distances on maps.
- **1:25000 Meter Scale:** Another scale for map work, specifically for 1:25000 ratio maps.

3. SETUP

Before using your Sportneer compass, ensure it is properly prepared.

3.1 Unpacking

Upon opening the package, you should find the following items:

- 1x Sportneer Military Lensatic Sighting Compass
- 1x Carrying Pouch
- 1x Lanyard
- 1x User Manual (this document)



Figure 3: Compass with Pouch and Lanyard. The compass comes with a protective pouch and a lanyard for convenient carrying.

3.2 Attaching the Lanyard

Attach the provided lanyard to the compass's designated attachment point. This helps prevent accidental drops and allows for easy access during use.

3.3 Initial Inspection

Inspect the compass for any visible damage. Ensure the dial moves freely and the liquid inside is clear and free of

bubbles. The compass is filled with a clear, thorough liquid to ensure smooth needle movement and dampening.



Figure 4: Clear Liquid Inside. The compass is filled with a clear liquid for stable needle movement.

3.4 Activating Glow-in-the-Dark Feature

The fluorescent dial and directional arrow require exposure to natural, fluorescent, ultraviolet, or other forms of lighting to glow in the dark. For optimal luminescence, expose the compass to light for an extended period before use in low-light conditions. The brightness and duration of the glow depend on the exposure time and intensity.

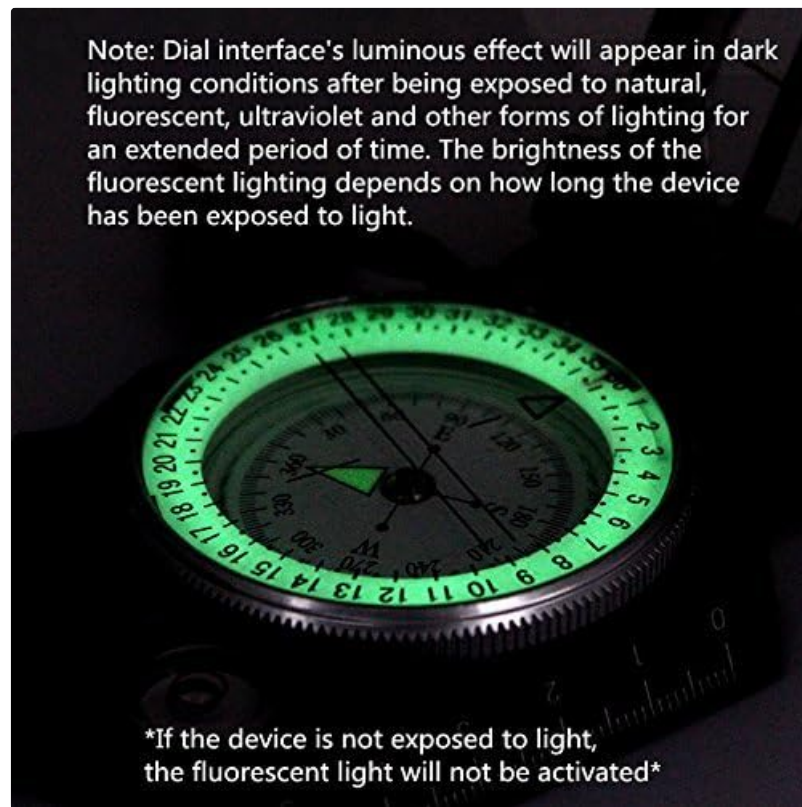


Figure 5: Glow-in-the-Dark Dial. The dial glows for visibility in low-light environments after sufficient light exposure.

4. OPERATING INSTRUCTIONS

4.1 Basic Direction Finding

1. **Open the Compass:** Unfold the compass completely so the cover and sighting lens are extended.
2. **Hold Level:** Hold the compass horizontally at waist level. Use the built-in level indicator to ensure it is perfectly flat.
3. **Orient to North:** Allow the magnetic needle to settle. The red end of the needle typically points to magnetic North. Rotate your body and the compass until the North mark on the dial aligns with the North-pointing needle.
4. **Read Bearings:** Once oriented, you can read the bearing of any object by aligning it with the sighting line and reading the corresponding degree on the dial through the sighting lens.

4.2 Using the Sighting Mechanism

For precise bearings, use the sighting lens and reference window:

1. Hold the compass at eye level.
2. Look through the sighting lens and align the cross-lines in the reference window with your target object.
3. Simultaneously, read the degree marking on the compass dial that appears in the sighting lens. This is your precise bearing to the target.

4.3 Measuring Slopes with the Inclinometer

The inclinometer allows you to measure the angle of a slope or elevation.

1. Locate the slope test board (inclinometer) on the side of the compass.
2. Hold the compass on its side, aligning the base of the compass with the slope you wish to measure.
3. Read the angle indicated by the needle on the inclinometer scale. The scale typically ranges from 0 to 90

degrees.

4.4 Using Map Scales

The compass features a centimeter scale and a 1:25000 meter scale on its edges for use with maps.

- **Centimeter Scale:** Use this scale to measure distances directly on maps or for general measurements.
- **1:25000 Meter Scale:** This scale is specifically designed for maps with a 1:25000 ratio. Align the scale with features on the map to determine real-world distances.

5. MAINTENANCE

Proper care will extend the life and accuracy of your Sportneer compass.

5.1 Cleaning

Wipe the compass with a soft, damp cloth to remove dirt or debris. Avoid using harsh chemicals or abrasive materials that could scratch the lens or casing.

5.2 Storage

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

5.3 Water Resistance

The Sportneer compass is designed to be waterproof and shakeproof, making it suitable for use in various weather conditions. While it can withstand splashes and brief exposure to water, avoid prolonged submersion or exposing it to high-pressure water jets, as this may compromise its seals over time.



Figure 6: Waterproof Design. The compass is built to resist water, making it reliable in wet environments.

6. TROUBLESHOOTING

- **Inaccurate Readings:** Ensure you are holding the compass level and away from any magnetic interference (e.g., cell phones, metal objects, power lines).
- **Dial Not Glowing:** The fluorescent dial requires exposure to light to glow. If it's not glowing, expose it to a light source for a few minutes.
- **Stuck Needle:** If the needle appears stuck, gently tap the compass. If it remains stuck, ensure no debris is obstructing its movement. If the issue persists, contact customer support.
- **Physical Damage:** While durable, extreme impacts can damage the compass. Handle with care.

7. SPECIFICATIONS

Feature	Detail
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Feature	Detail
Model Number	Y21-80300-05
Brand	Sportneer
Material	Metal
Item Weight	0.63 lbs (approx. 286g)
Special Features	Waterproof, Shakeproof, Inclinator, Glow-in-the-Dark Dial
Item Size (folded)	3.8" x 2.5" x 1.2" (approx. 9.65cm x 6.35cm x 3.05cm)



Figure 7: Compass Dimensions. Key measurements of the Sportneer compass.

8. WARRANTY AND SUPPORT

Sportneer products are manufactured to high-quality standards. For information regarding warranty coverage, product support, or to report any issues, please refer to the contact information provided with your purchase or visit the official Sportneer website. Please retain your proof of purchase for warranty claims.

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