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PEAKPULSE FA2000A

PEAKPULSE FA2000A Laser Rangefinder User Manual

Model: FA2000A

1. Introduction

This manual provides detailed instructions for the safe and effective use of your PEAKPULSE FA2000A Laser Rangefinder. Designed for outdoor activities such as hunting, shooting, and engineering surveying, this device offers precise distance, angle, and height measurements. Please read this manual thoroughly before operating the device to ensure optimal performance and longevity.

2. Product Overview

2.1 Key Features

- **Measurement Range:** 10-2100 Yards
- **Accuracy:** ± 1 Yard
- **Magnification:** 8X
- **Display:** High Transparency HLCD
- **Measurement Speed:** 0.5S Fast Focus
- **Modes:** Horizontal Distance (HCD), Line of Sight (LOS), Angle, Vertical Height, Two-point Height Measurement
- **Power:** Rechargeable 800mAh Lithium-Ion battery (Type-C charging)
- **Durability:** IP65 Dust-proof and Waterproof
- **Design:** Ergonomic, non-slip, and wear-resistant

2.2 Components

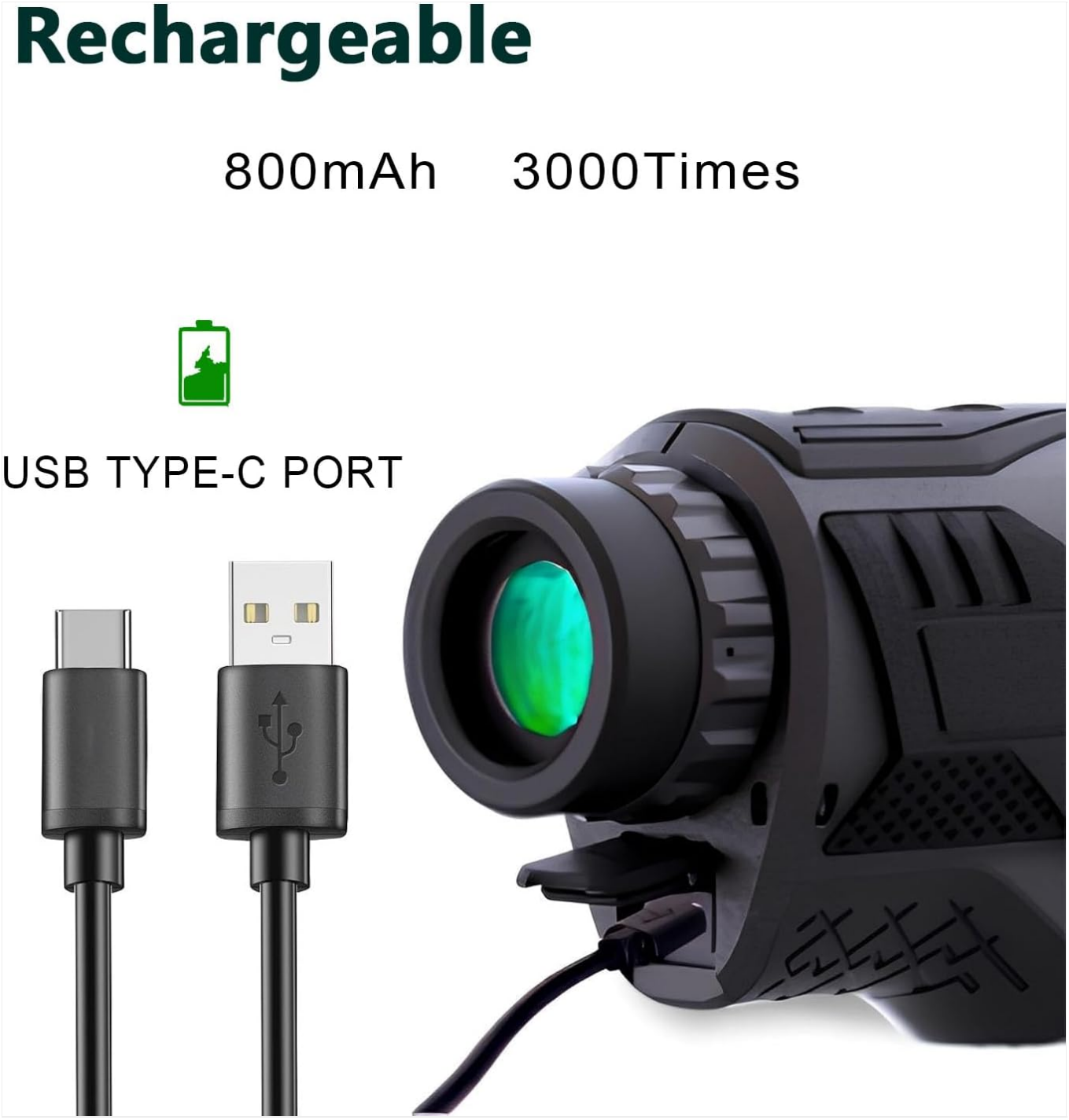


This image illustrates the main components of the rangefinder, including the Objective Lens, Power Button, Mode Button, Eyepiece, Laser Firing Lens, Charging Hole, and Eyepiece Adjustment Ring.

1. **Objective Lens:** The front lens through which light enters the device.
2. **Eyepiece:** The lens you look through to view the target and display.
3. **Eyepiece Adjustment Ring:** Used to adjust the focus of the eyepiece for clear viewing.
4. **Laser Firing Lens:** Emits the laser beam for distance measurement.
5. **Power Button:** Used to turn the device on/off and initiate measurements.
6. **Mode Button:** Used to cycle through different measurement modes.
7. **Charging Hole (Type-C):** Port for connecting the USB Type-C charging cable.

3. Setup

3.1 Charging the Battery



The rangefinder features a USB Type-C port for convenient charging.

The PEAKPULSE FA2000A is equipped with an 800mAh rechargeable Lithium-Ion battery. Before first use, fully charge the device.

- Connect the provided USB Type-C cable to the charging port on the rangefinder.
- Connect the other end of the cable to a standard USB power adapter (not included) or a computer USB port.
- The charging indicator will show the charging status. A full charge typically allows for approximately 3000 measurements.

3.2 Initial Power On and Eyepiece Adjustment

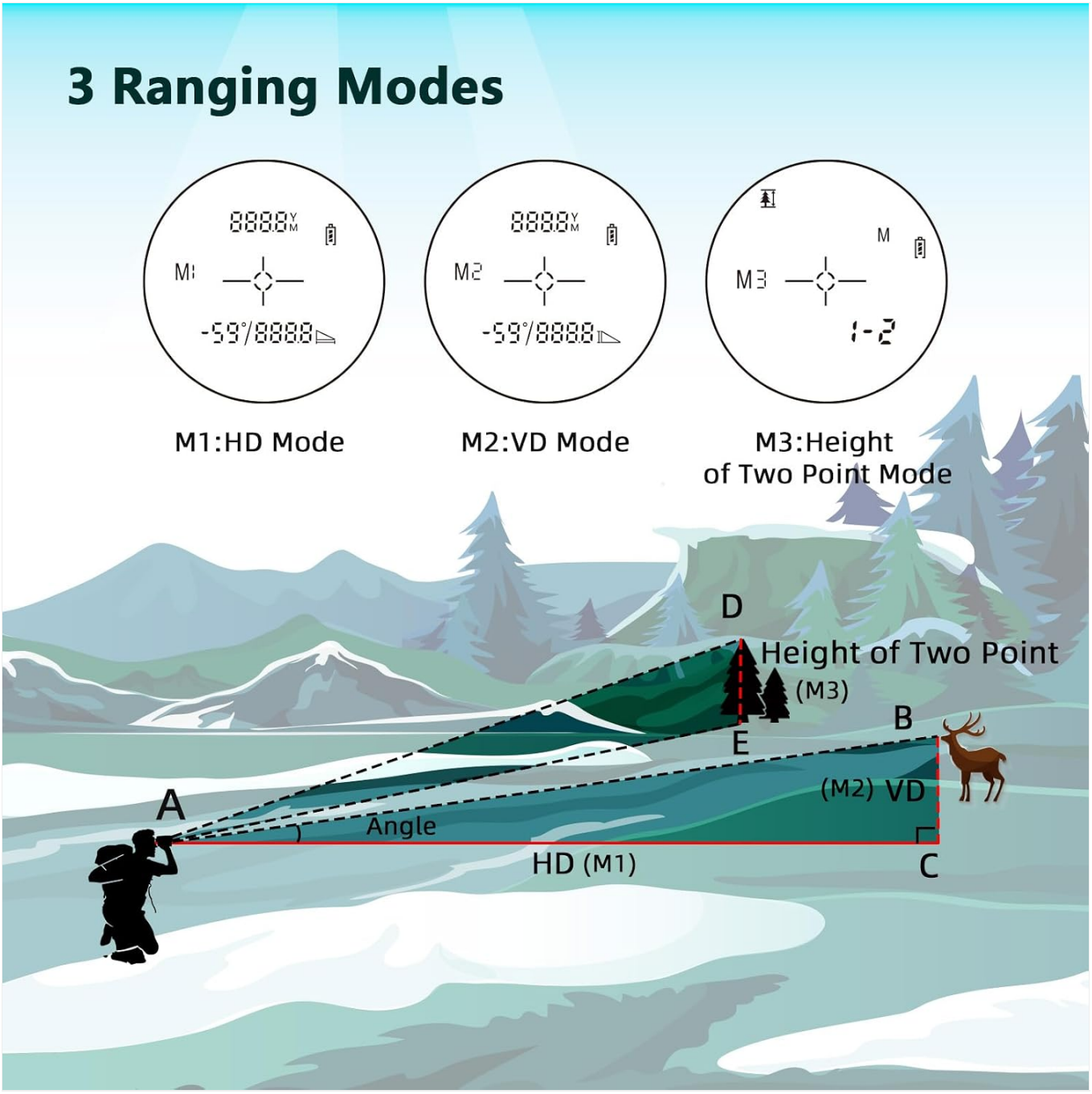
- Press the **Power Button** briefly to turn on the device. The display will illuminate.
- Look through the eyepiece. If the display or target appears blurry, rotate the **Eyepiece Adjustment Ring** until the view is clear and sharp.

4. Operating Instructions

4.1 Power On/Off

- **To Power On:** Press the **Power Button** once. The device will automatically shut off after a period of inactivity to conserve battery.
- **To Power Off:** Press and hold the **Power Button** for approximately 3 seconds, or allow the device to auto-shutoff.

4.2 Mode Switching



This image displays the different measurement modes available on the rangefinder.

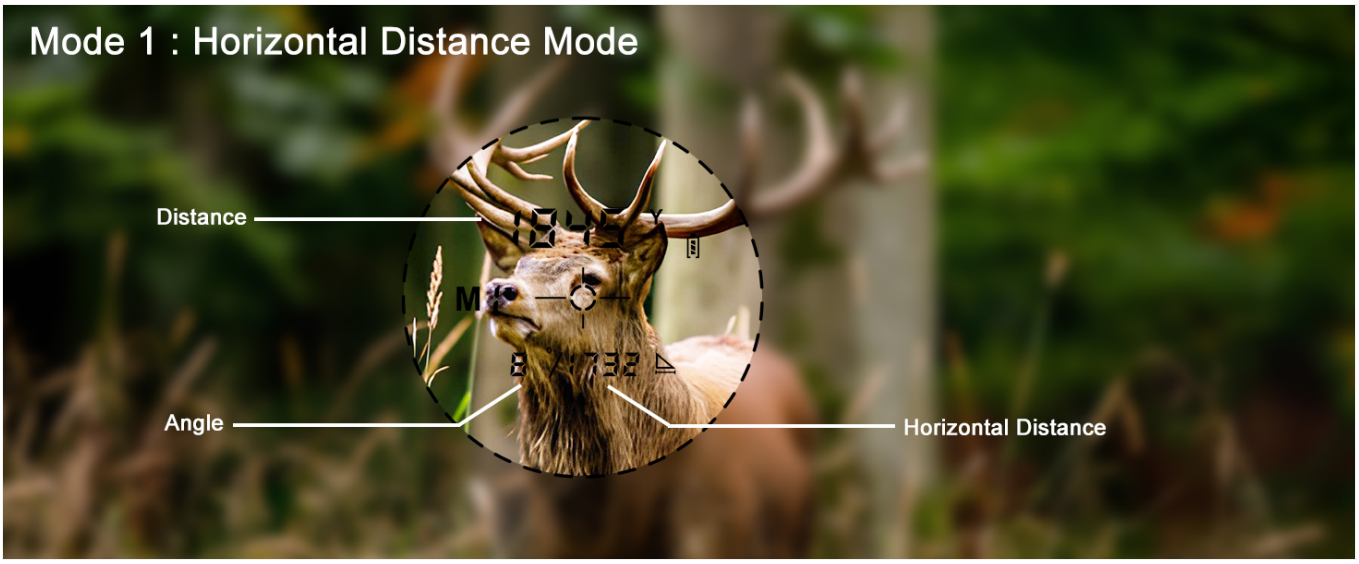
After powering on, press the **Mode Button** repeatedly to cycle through the available measurement modes:

- **M1: Horizontal Distance (HCD) Mode:** Measures the line of sight distance, angle, and calculates the horizontal distance to the target.
- **M2: Vertical Height (VD) Mode:** Measures the line of sight distance, angle, and calculates the vertical height to the target.
- **M3: Two-point Height Measurement Mode:** Measures the height difference between two points.

4.3 Measurement Procedures

Once a mode is selected, aim the crosshairs at your target and press the **Power Button** briefly to take a measurement. The results will be displayed on the HLCD screen.

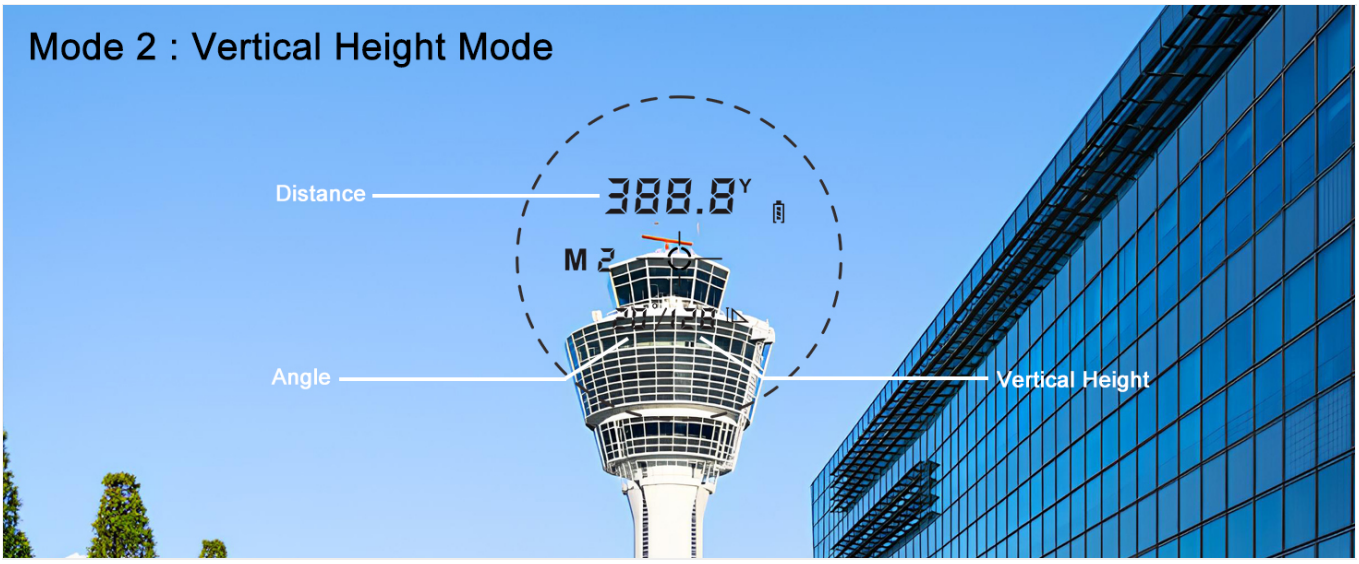
4.3.1 M1: Horizontal Distance Mode



This image shows the display in M1 mode, indicating distance, angle, and horizontal distance.

In M1 mode, the rangefinder provides the direct distance to the target, the angle of inclination, and the calculated horizontal distance. This is useful for applications where the true horizontal distance is critical, such as archery.

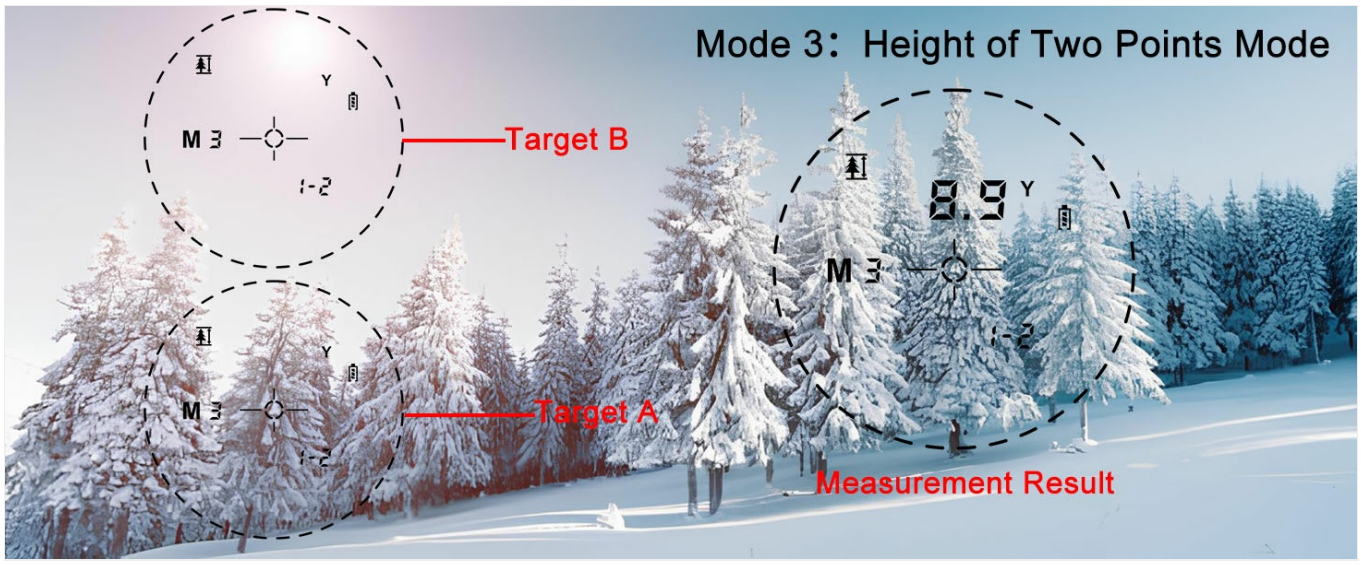
4.3.2 M2: Vertical Height Mode



This image shows the display in M2 mode, indicating distance, angle, and vertical height.

M2 mode calculates the vertical height of a target based on its distance and angle. This is useful for measuring the height of trees, buildings, or other vertical objects.

4.3.3 M3: Two-point Height Measurement Mode



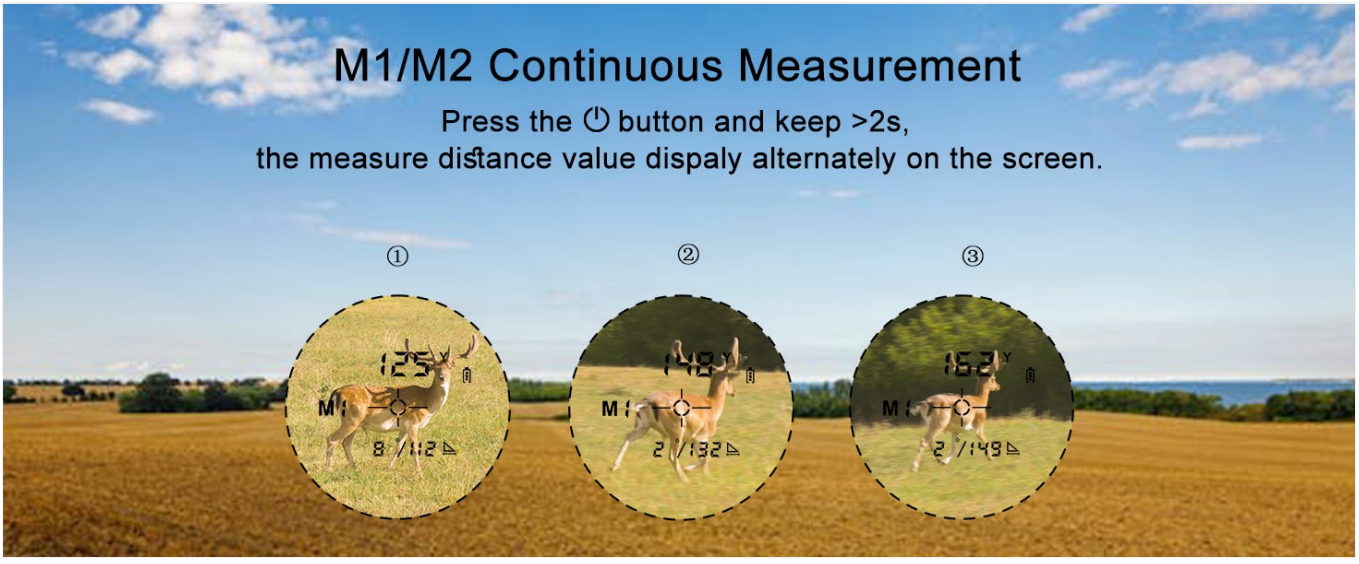
This image shows the display in M3 mode, illustrating how to measure the height between two distinct points.

In M3 mode, you take two measurements: one to the base of an object (Target A) and another to the top of the object (Target B). The device then calculates the height difference between these two points. This mode often includes a vibration feature to confirm successful measurement.



The rangefinder provides vibration feedback upon successful measurement in Mode 3.

4.4 Continuous Measurement (Scan Mode)



This image demonstrates continuous measurement, where distance values update as the rangefinder is moved across targets.

For continuous measurement in M1 or M2 modes, press and hold the **Power Button** for more than 2 seconds. The device will continuously measure and display distance values as you pan across different targets. Release the button to stop continuous measurement.

4.5 Fast Focus System



The rangefinder features a 0.5-second fast focus system for quick and clear target acquisition.

The rangefinder is designed for rapid target acquisition with a 0.5-second fast focus system. This allows for quick and accurate measurements, especially when tracking moving targets or needing immediate readings.

5. Maintenance

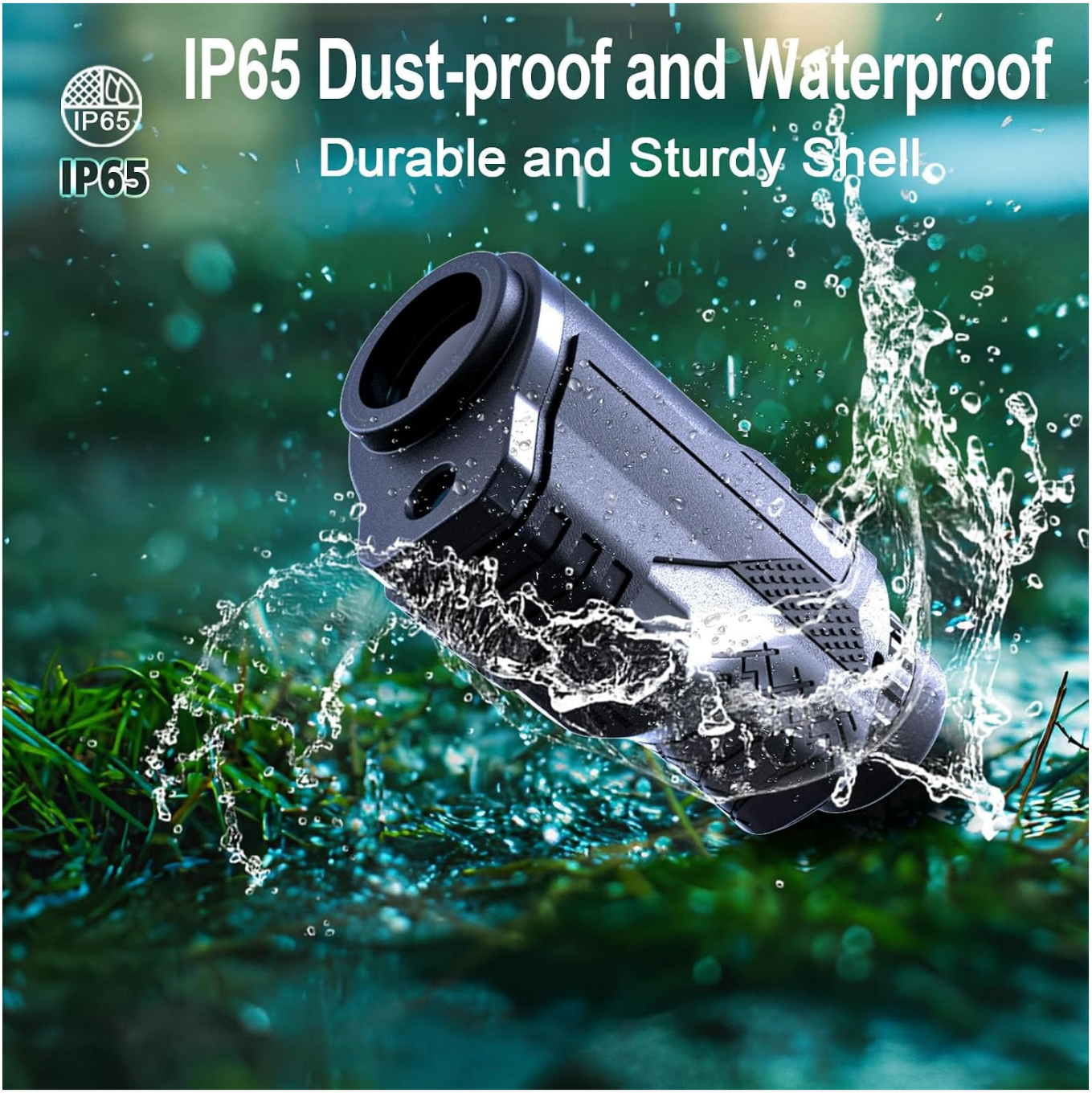
5.1 Cleaning

- Use a soft, clean cloth to wipe the exterior of the device.
- For lenses, use a lens cleaning cloth and lens cleaning solution specifically designed for optics. Avoid abrasive materials that could scratch the lenses.
- Do not use harsh chemicals or solvents.

5.2 Storage

- Store the rangefinder in a cool, dry place away from direct sunlight and extreme temperatures.
- Ensure the device is clean and dry before storing.
- If storing for extended periods, ensure the battery is partially charged (around 50%) and recharge periodically to maintain battery health.

5.3 Water and Dust Resistance



The rangefinder is designed with IP65 dust-proof and waterproof protection for durability in outdoor conditions.

The PEAKPULSE FA2000A features an IP65 rating, meaning it is protected against dust ingress and low-pressure water jets from any direction. While it is resistant to splashes and light rain, it is not designed for submersion in water.

6. Troubleshooting

Problem	Possible Cause	Solution
Device does not power on.	Low battery.	Charge the battery using the provided USB Type-C cable.
Measurement is inaccurate or inconsistent.	• Target is too small or reflective. • Environmental conditions (fog, heavy rain). • Unstable aiming.	• Aim at a larger, less reflective target. • Avoid use in severe weather. • Ensure a steady hand or use a stable surface.

Problem	Possible Cause	Solution
Display is blurry.	Eyepiece not focused.	Rotate the Eyepiece Adjustment Ring until the display is clear.
Device does not measure at all.	• Out of range. • Obstruction of laser path.	• Ensure target is within 10-2100 yards. • Check for any obstructions in front of the laser firing lens.

7. Specifications



This image provides a visual representation of the rangefinder's size and weight.

Feature	Specification
Model Number	FA2000A
Measurement Range	10-2100 Yards
Accuracy	± 1 Yard
Magnification	8X
Display Type	HLCD
Battery Type	Rechargeable Lithium-Ion (800mAh)
Charging Port	USB Type-C
Water Resistance Level	IP65 (Dust-proof and Waterproof)
Product Dimensions	13 x 5 x 7.49 cm (5.12 x 1.97 x 2.95 inches)
Item Weight	231 g (8.15 oz)
Material	Plastic, Silicone
Sport Application	Hunting, Shooting

8. Warranty and Support

PEAKPULSE is committed to providing high-quality products and customer satisfaction. If you encounter any issues or have questions regarding your FA2000A Laser Rangefinder, please do not hesitate to contact our customer service team.

- **Customer Service:** We offer 24-hour online service.
- **Contact Information:** Please refer to the contact details provided with your product packaging or visit the official PEAKPULSE website for support options.

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.

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