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› Inkerma Hunter-E & RS-393 User Manual

Inkerma HE1000+RS393

Inkerma Hunter-E & RS-393 User Manual

Comprehensive Guide for Your Hunting & Golf Rangefinder and Dual Laser Measurement Tool

1. INTRODUCTION

This user manual provides detailed instructions for the Inkerma Hunter-E Hunting and Golf Rangefinder and the Inkerma RS-393 Dual Laser Measurement Tool. This versatile bundle is designed to offer precise distance, angle, and speed measurements for outdoor activities such as hunting and golf, as well as accurate multi-benchmark measurements for professional tasks like construction, interior design, and DIY projects. Please read this manual thoroughly before using the devices to ensure optimal performance and safety.



Figure 1: The Inkerma Hunter-E Rangefinder (right) and RS-393 Dual Laser Measurement Tool (left).

2. PACKAGE CONTENTS

Upon opening the package, verify that all the following items are present and in good condition:

- **For Hunter-E Rangefinder:**
 - Hunter-E Rangefinder unit
 - Protective storage case
 - Hand strap
 - Lens cleaning cloth
 - USB charging cable
 - User manual (this document)

- **For RS-393 Dual Laser Measurement Tool:**
 - RS-393 Dual Laser Measurement Tool unit
 - Rechargeable lithium battery (pre-installed or separate)
 - Hand strap
 - Type-C charging cable
 - User manual (this document)

- Convenient carrying bag

3. PRODUCT FEATURES

3.1 Hunter-E Rangefinder Features

- **Versatile Measurement Modes:** Offers five distinct modes: Distance Measurement, Golf Mode, Height Measurement, Horizontal Distance Measurement, and Speed Measurement. Features a smart memory function to revert to the last used mode.
- **Exceptional Precision and Clear Optics:** Measures up to 1000m with 6x magnification. Multi-coated lenses and a vibrant LCD screen provide a sharp and bright view. Distance accuracy is within $(1m+D \times 0.2\%)$ and angle accuracy is within 1 degree.

ANGLE SENSOR

DISPLAYING REAL-TIME ANGLE CHANGES

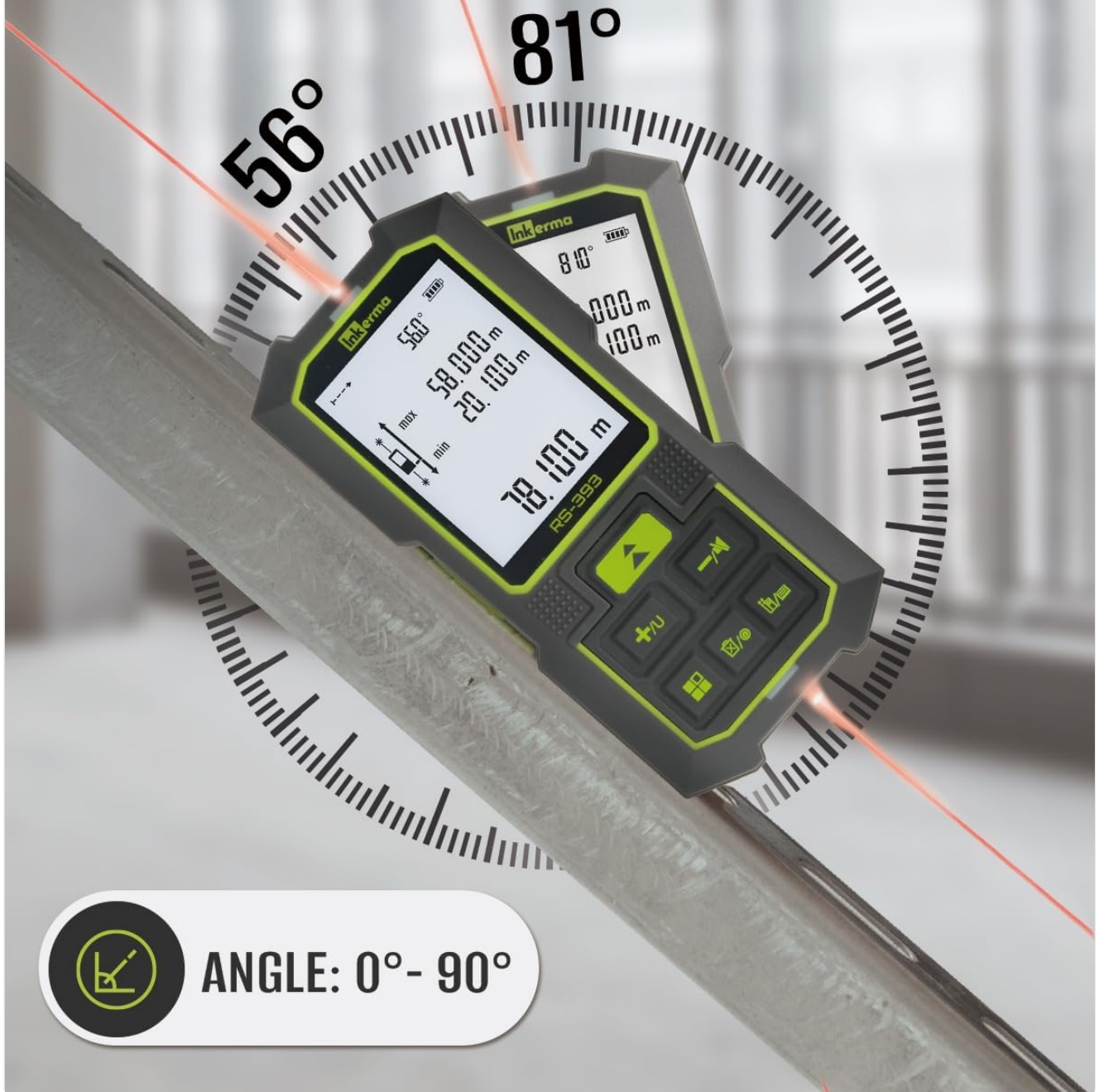
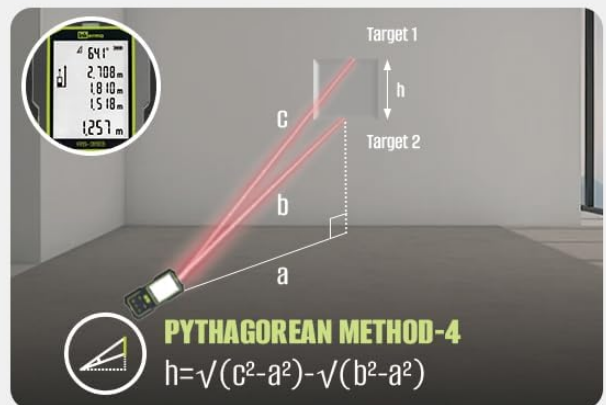
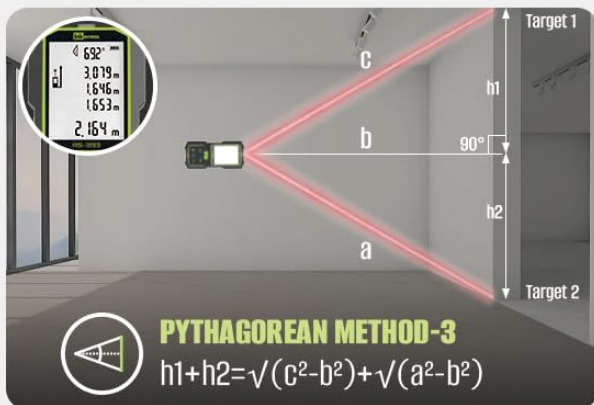
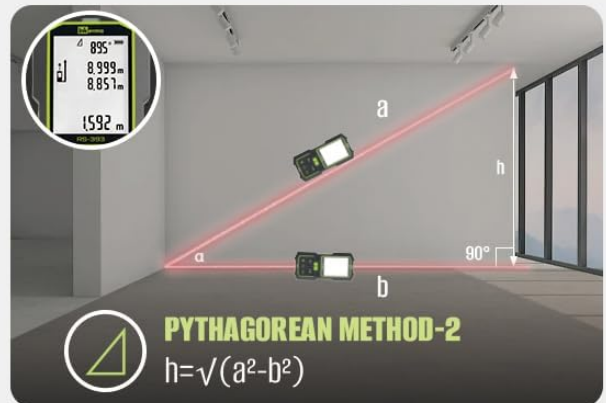
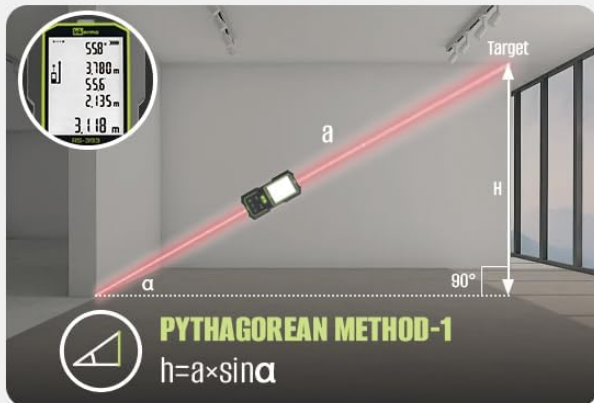
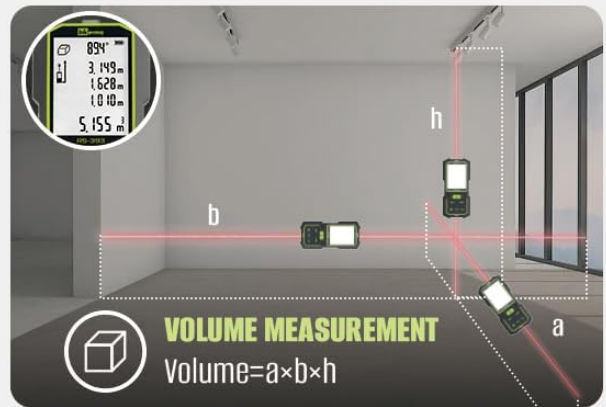
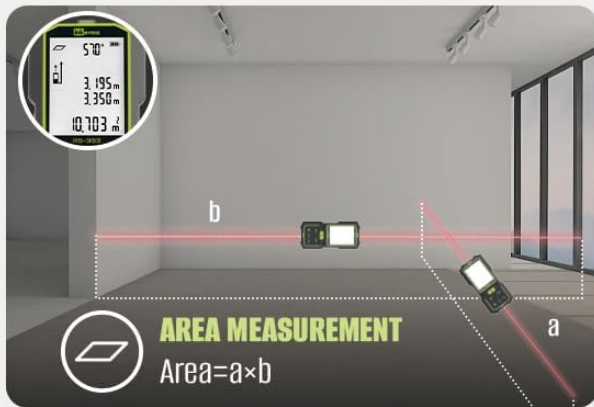


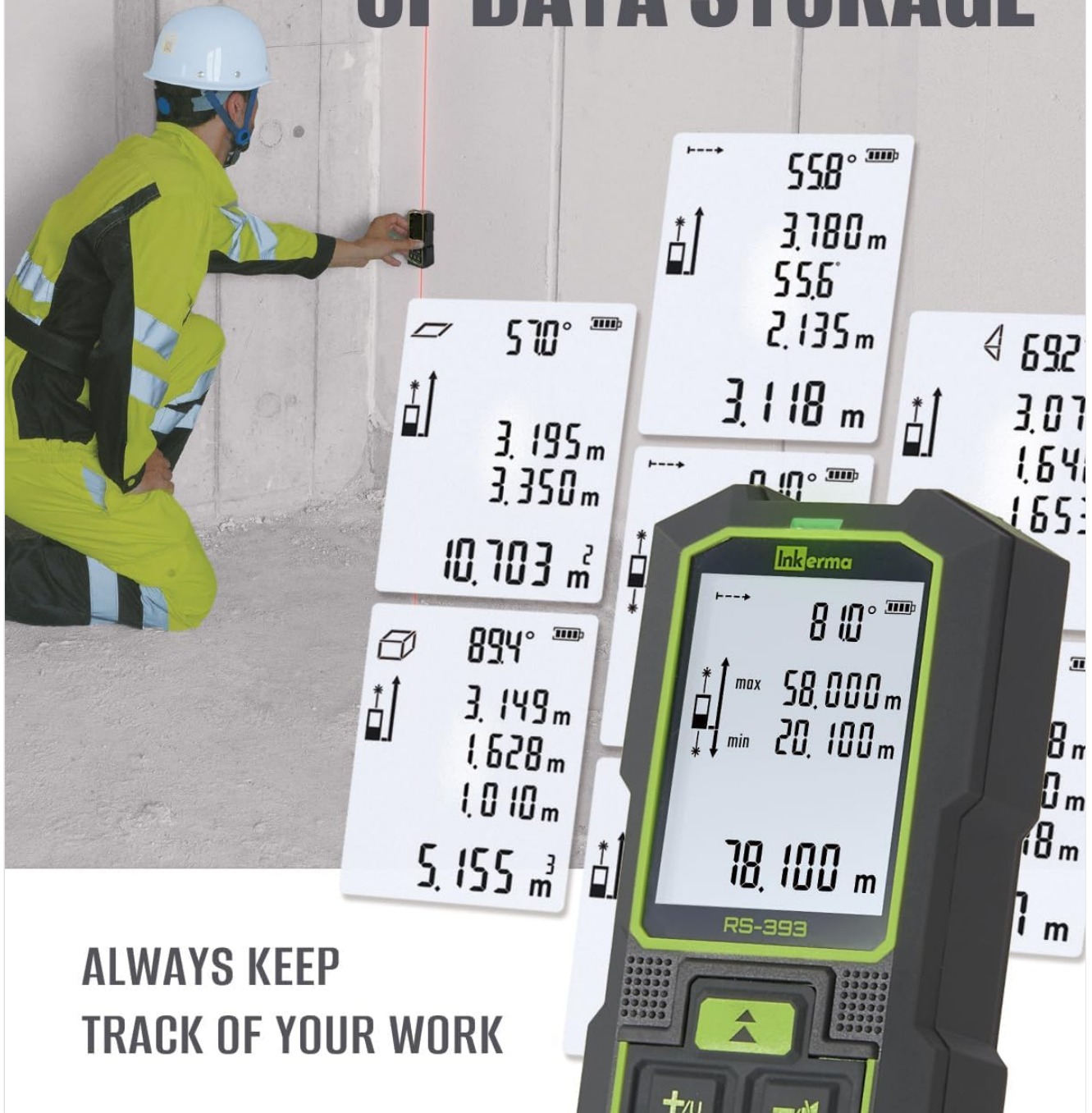
Figure 2: High-Definition LCD Screen and 6x Magnification of the Hunter-E Rangefinder.



BILATERAL LASER DISTANCE METER MULTIPLE MEASURING MODES

Figure 3: Illustration of various distance measurements (Vertical, Horizontal, Line of Sight) using the Hunter-E Rangefinder.

100 SETS OF DATA STORAGE



ALWAYS KEEP
TRACK OF YOUR WORK

Figure 4: The Hunter-E Rangefinder capable of measuring distances up to 1000m.

3.2 RS-393 Dual Laser Measurement Tool Features

- **Efficient Dual Laser Measurement:** Enhances efficiency by measuring in two directions simultaneously, allowing multiple measurements from a single position. Includes tilt angle measurement.
- **Reliable and Precise Performance:** Range up to 393ft (120m) with an accuracy of 2mm. Supports multi-benchmark measurements. Rechargeable lithium battery powers up to 5000 measurements per charge. Safety-certified with Class II laser (less than 1mW output).
- **Data Storage:** Capable of storing up to 100 sets of measurement data.

HIGH EFFICIENT & CONVENIENT WORK



DUAL LASER



**±2MM
ACCURACY**



**393FT / 120M
MEASUREMENT RANGE**

Figure 5: The RS-393 Dual Laser Measurement Tool demonstrating its dual laser capability and precision.

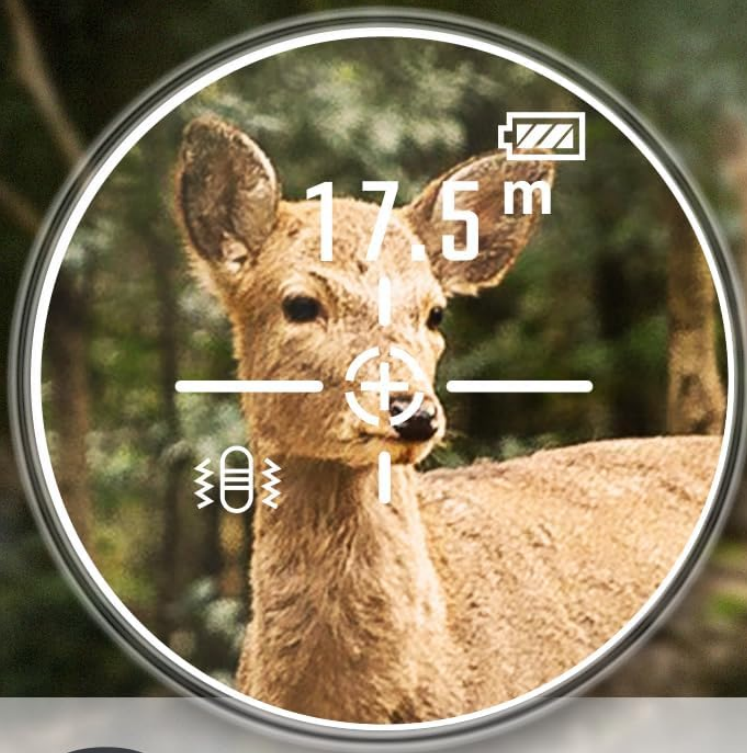
Distances Made Clear at a Glance



Figure 6: The RS-393's angle sensor displaying real-time angle measurements.

High-Definition LCD Screen

for the Best Visual Experience



6x Magnification

Figure 7: The RS-393's capability to store up to 100 sets of measurement data.

4. SETUP

4.1 Charging the Devices

Both the Hunter-E Rangefinder and the RS-393 Dual Laser Measurement Tool are equipped with rechargeable lithium batteries. Before first use, it is recommended to fully charge both devices.

- **Hunter-E Rangefinder:** Connect the provided USB charging cable to the charging port on the rangefinder and to a standard USB power adapter (not included) or computer USB port. The charging indicator will show the charging status.

- **RS-393 Dual Laser Measurement Tool:** Connect the provided Type-C charging cable to the Type-C port on the tool and to a standard USB power adapter (not included) or computer USB port. The display will indicate charging status. A full charge supports up to 5000 measurements.

4.2 Initial Power On

To power on either device, press and hold the power button (refer to the device's specific button layout for exact location) until the display illuminates. To power off, press and hold the power button again.

5. OPERATING INSTRUCTIONS

5.1 Hunter-E Rangefinder Operation

The Hunter-E Rangefinder offers five primary measurement modes. Use the Mode button to cycle through them.

- **Distance Measurement:** Measures the straight-line distance to a target. Aim the crosshairs at the target and press the measurement button.
- **Golf Mode:** Designed for golf, this mode often includes features like flag-lock and slope compensation (check device display for specific indicators).
- **Height Measurement:** Calculates the height of an object by taking measurements to its base and top.
- **Horizontal Distance Measurement:** Provides the horizontal distance to a target, compensating for elevation changes.
- **Speed Measurement:** Measures the speed of a moving object. Follow the on-screen prompts for accurate readings.

The smart memory function ensures the device returns to the last used mode upon power-on.

5.2 RS-393 Dual Laser Measurement Tool Operation

The RS-393 tool supports various measurement functions, including single distance, continuous measurement, area, volume, and multiple Pythagorean methods. Use the function buttons to select the desired mode.

RECHARGEABLE

LI-ION BATTERY



>5000
MEASUREMENTS

TYPE-C
FAST CHARGING

1000mAh
LI-ION BATTERY



Figure 8: Multiple measuring modes available on the RS-393 Dual Laser Measurement Tool.

- **Single Distance Measurement:** Press the measurement button once to take a single distance reading.
- **Continuous Measurement:** Activates continuous measurement, useful for finding minimum/maximum distances or tracking movement.
- **Area Measurement:** Measure two sides (length and width) to calculate the area.
- **Volume Measurement:** Measure three sides (length, width, height) to calculate the volume.
- **Pythagorean Methods:**
 - **Pythagorean Method 1 ($h=A \times \sin\alpha$):** Calculates height from a single measurement and angle.

- **Pythagorean Method 2 ($h=\sqrt{a^2-b^2}$):** Calculates one side of a right triangle given the hypotenuse and another side.
- **Pythagorean Method 3 ($h_1+h_2=\sqrt{c^2-b^2}+\sqrt{a^2-b^2}$):** Calculates total height from two measurements to different points.
- **Pythagorean Method 4 ($h=\sqrt{c^2-a^2}-\sqrt{b^2-a^2}$):** Calculates height from two measurements to different points, often used for indirect height measurement.
- **Data Storage:** To save a measurement, refer to the device's specific instructions for the save function. Saved data can be reviewed later.
- **Unit Switching:** The RS-393 supports both metric (meters) and imperial (feet/inches) units. Use the unit button to toggle between them.

6. MAINTENANCE

- **Cleaning:** Use the provided lens cleaning cloth to gently wipe the lenses of the Hunter-E Rangefinder. For both devices, use a soft, dry cloth to clean the body. Do not use abrasive cleaners or solvents.
- **Storage:** Store both devices in their protective cases when not in use. Keep them in a cool, dry place, away from direct sunlight, extreme temperatures, and high humidity.
- **Battery Care:** For optimal battery life, avoid fully discharging the devices frequently. If storing for an extended period, charge the batteries to approximately 50% and recharge every few months.

7. TROUBLESHOOTING

If you encounter issues with your Inkerma devices, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device does not power on.	Low or depleted battery.	Charge the device fully using the provided charging cable.
Inaccurate measurements.	Dirty lens/laser aperture; unstable aiming; environmental factors (fog, heavy rain).	Clean the lens/aperture with the cleaning cloth. Ensure stable aiming. Avoid use in extreme weather conditions.
Display is dim or unreadable.	Low battery; extreme temperature.	Recharge the battery. Operate within specified temperature ranges.
Device freezes or becomes unresponsive.	Temporary software glitch.	Perform a soft reset by holding the power button until it turns off, then restart. If issue persists, allow battery to fully drain and then recharge.

If the problem persists after attempting these solutions, please contact Inkerma customer support for further assistance.

8. SPECIFICATIONS

8.1 Hunter-E Rangefinder

- **Measurement Range:** Up to 1000 meters (1094 yards)
- **Magnification:** 6X

- **Distance Accuracy:** $\pm(1\text{m} + D \times 0.2\%)$
- **Angle Accuracy:** ± 1 degree
- **Display:** High-Definition LCD
- **Modes:** Distance, Golf, Height, Horizontal Distance, Speed
- **Power Source:** Rechargeable Lithium Battery

8.2 RS-393 Dual Laser Measurement Tool

- **Measurement Range:** Up to 120 meters (393 feet)
- **Accuracy:** $\pm 2\text{mm}$
- **Laser Class:** Class II (less than 1mW output)
- **Battery Life:** Up to 5000 measurements per charge
- **Battery Type:** Rechargeable Lithium Battery (1000mAh)
- **Charging Port:** Type-C
- **Data Storage:** 100 sets
- **Measurement Functions:** Single Distance, Continuous, Area, Volume, Pythagorean (4 methods), Angle Measurement
- **Units:** Metric (m), Imperial (ft/in)

9. WARRANTY AND SUPPORT

Inkerma products are manufactured with high-quality standards. For warranty information, product registration, or technical support, please visit the official Inkerma website or contact their customer service department. Keep your purchase receipt as proof of purchase for warranty claims.

Inkerma Official Store: [Visit the Inkerma Store on Amazon](#)