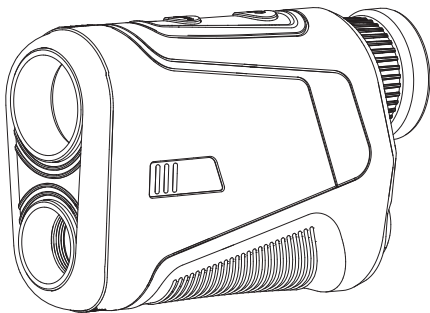




Range Finder User Manual

L-06G



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1. Product Specifications

1.1 General Index

Range	5-1200(Y)
Range Measuring Accuracy	±1Y
Angle Measuring Range	-60° - 60°
Angle Measuring Accuracy	±1°
Laser type	905nm(Class I)
Magnification	7X
Exit Pupil Diameter	3.7mm
Object Lens Size	24mm
Field Angle	6.6°
Battery	CR2
Weight	200g
Dimensions	121*79*40mm
Operating Temperature	-10°C - 50°C

1.2 List of Accessories



Rangefinder



Carry Bag



Lens Cloth



Lithium Battery



User Manual

1.3 Parts of Device

1. Telescope lens
2. Objective lens
3. Mode / Meter & Yard Select Button
4. Power Start Button
5. Focusing Ring
6. Eyepiece
7. Battery Cover
8. Slope On/Off Switch
9. Magnetic Strap

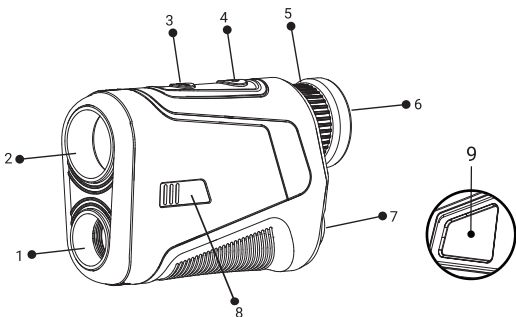


Figure 1 Parts of device

1.4 OLED Display Description

1. Mode
2. Flag Lock
3. Target
4. Vibration
5. Range Data
6. Slope Distance Symbol
7. Battery Indicator
8. Angle
9. Meter
10. Yard
11. Vertical/Horizontal/Slope Compensation Distance

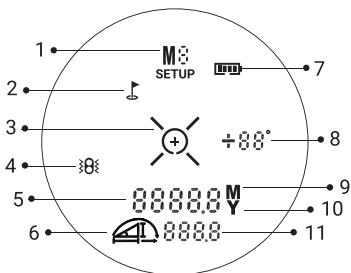


Figure 2 OLED Display

2. General Operation

2.1 Power On / Power Off

Power on: Press and hold the power button for more than 2 seconds. All icons will appear on the OLED screen, indicating the device is powered on. A short press of the power button will only display the last used or default mode icons, without showing all icons.

Power Off: The device will automatically shut down after 8 seconds of inactivity to save battery.

2.2 Unit and Mode Switching

Unit Switching (Meter / Yard): When the device is powered on, press and hold the **【mode】** button for 3 seconds to switch between Meter (M) and Yard (Y) units.

Mode Switching: In the powered-on state, press the **【mode】** button for less than 2 seconds to switch between different measurement modes.

2.3 OLED Display Intensity Adjustment

Press and hold the Mode and Power button to enter settings, then short press the Mode button to switch between 5 levels of display brightness (1, 2, 3, 4, 5). Short press the Power button or after stopping the operation for 5 seconds, it will save and exit the setting.

2.4 Slope On / Off

When the slope switch displays the red area, it means the slope compensation function is turned off, in compliance with golf tournament regulations. When the red area is covered by the slope switch, the slope compensation is on, suitable for amateur use and training.

2.5 Measurement Modes

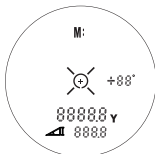


Figure 3

Single Measurement

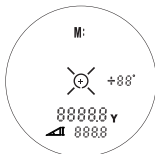


Figure 4

Continuous Measurement

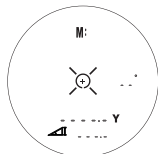


Figure 5

Measurement Failure

Single Measurement: Press the power button briefly to perform a single measurement.(See Figure 3)

Continuous Measurement: M1/M2 Mode press and hold the power button for more than 2 seconds to start continuous measurement mode.(See Figure 4)

Measurement Failure: If the measurement fails, the screen will display “—”.(See Figure 5) The device will automatically shut down after 8 seconds of inactivity. Press the power button again to power it on.

3. Model Operating Instructions

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3.1 Mode Icon

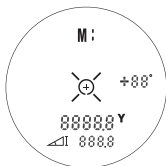


Figure 6

M1 Range Mode

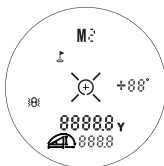


Figure 7

M2 Slope Mode

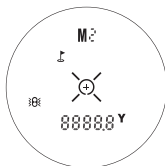


Figure 8

M2 Non-Slope Mode

3.2 Mode Description

(1) M1 Mode – Range Mode

Short press the power button to measure straight-line distance, height and Angle.(See Figure 6)

(2) M2 Mode – Slope Mode

Short press the power button to lock onto target (vibration confirmation), displays line-of-sight distance, angle of inclination, and slope-compensated distance.(See Figure 7)

(3) M2 Mode – Non-Slope Mode (Golf Tournament Legal)

When slope mode is turned off, short press the power button to lock onto the flag. The rangefinder will vibrate once the target is locked. The screen will show the straight-line distance only.(See Figure 8)

4. Frequently Asked Questions

4.1 How do I switch between meters and yards (M/Y)?

When powering on the device, press and hold the [MODE] button for 3 seconds to toggle between meters and yards.

4.2 Why isn't my device working?

- (1) Check the battery: Remove any protective plastic film from the battery. Ensure correct orientation (+/-) when installing.
- (2) Verify battery level: Check the OLED screen for low-power warnings.
- (3) Environmental factors: Rain, snow, fog, haze, or extreme sunlight may interfere with operation.

4.3 Why is the distance measurement inaccurate?

- (1) Power: Ensure the battery has sufficient charge.
- (2) Unit settings: Confirm the correct unit (Yards/Meters) is selected.
- (3) Range limits: Minimum range: 5 yards; Maximum range: 1200 Yards; Targets outside this range won't be registered.
- (4) Environmental interference: Weather conditions (rain, fog, etc.) and sunlight angle can affect accuracy.

4.4 How do I adjust the viewfinder for a clear image?

Rotate the eyepiece to focus until the display appears sharp.

4.5 Why does the rangefinder show an incorrect distance (e.g., 10 yards vs. 35 yards)?

Obstruction-free line of sight is required: The beam widens with distance (e.g., at 500m, no objects should be within a 5m diameter). Ensure no obstacles (branches, grass, etc.) are blocking the laser.

5. Measurement Considerations

5.1 Measurement Targets

The range finder is designed to measure objects with varying levels of reflectivity:

High reflectivity: e.g., road signs
Moderate reflectivity: e.g., building walls

Low reflectivity: e.g., trees, golf flags, utility poles, animals

Note: As the reflectivity of the target decreases, the effective measuring range will also decrease.



Figure 9 Measurement targets

5.2 Factors That Influence Measurement Range

Target Reflectivity

Higher reflectivity improves range accuracy and distance.

Low reflectivity or smooth surfaces (e.g., water) may fail to return valid measurements due to poor diffuse reflection.

Target Shape: Small or irregularly shaped objects may reduce both the measurement range and speed.

Measuring Angle: Maximum accuracy occurs when the laser is perpendicular to the surface of the target. Performance may decline under extreme angles and not meet the specifications.

5.3 Optimal Measuring Conditions

For best results, use the device under the following conditions:

Target with moderate reflectivity (e.g., Building walls)

Target perpendicular to the laser direction

Weather: Clear and sunny, but not under direct sunlight

5.4 General Using Scene Description

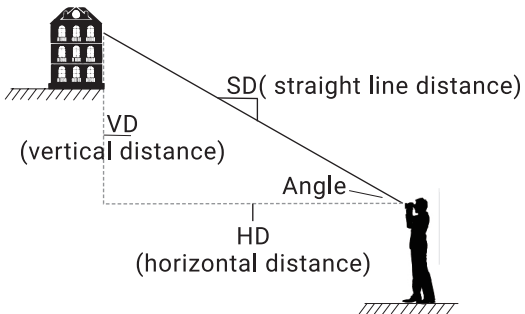


Figure 10 SD/Angle/HD/VD

5.5 Golf Slope Correction Using Scene Description

Golf model built in high-precision angle sensor, while during the measuring process, it will calculate the driving distance (compensation distance) by Golf trajectory equation with distance AB and the angle.

In the positive slope, the compensation distance is further than real distance. See Figure 11, $AB=AD$. According to the actual distance, hitting like parabola 1, the real drop point is E. But in the positive slope, you should hit like parabola 2, it will drop in B point. And the compensation distance is AC.

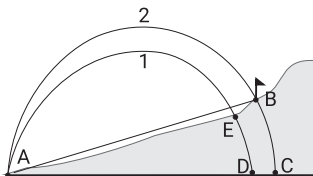


Figure 11 The driving diagram of positive slope

In the negative slope, the compensation distance is shorter than real distance. See Figure 12, $AB=AD$. According to the actual distance, hitting like parabola 1, the real drop point is E. But in the negative slope, you should hit like parabola 2, it will drop in B point. And the compensation distance is AC.

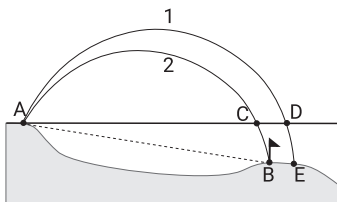


Figure 12 The driving diagram of negative slope

6. Transport / Storage / Maintenance / Disposal / FCC Compliance

6.1 Transport

Ensure the device is securely packaged with adequate protective materials to prevent damage during shipping. If the device is dropped and starts making abnormal sounds, immediately remove the battery and discontinue use.

6.2 Storage

Store the product in a safe place, out of reach of children. Avoid placing it on unstable or elevated surfaces to prevent accidental falls. Do not store the device in high-temperature environments, as this may cause permanent damage.

6.3 Maintenance

When exposed to rapid temperature changes, condensation may form on the lens. Allow the fog to fully evaporate before using the device. To clean the lens, use a proper lens cleaning cloth—do not use your hands, as this may damage the optical coating.

6.4 FCC Compliance

The device may generate, use, and radiate radio frequency energy. If not installed or used properly, it could cause interference with radio or TV signals.

If interference occurs, try reorienting or relocating the receiving antenna, increasing the distance between the device and receiver, connecting the device to a power outlet on a different circuit, or contacting a qualified technician or the product dealer. Shielded interface cables must be used to comply with FCC standards.

Specifications and design are subject to change without prior notice or obligation from the manufacturer.

