

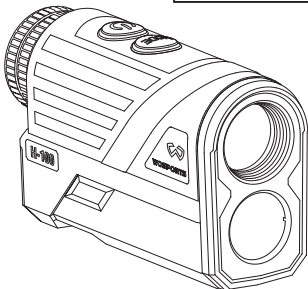


WOSPORTS

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Range Finder User Manual

H-100P 1200 Yards



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	6X
Exit Pupil Diameter	3.7mm
Object Lens Size	22mm
Field Angle	7.5°
Battery	CR2-3V
Weight	170g
Dimensions	120*40*70mm
Operating Temperature	-10°C-50°C

1.2 List of Accessories

- Rangefinder(1pcs)
- Carry Bag(1pcs)
- Lens Cloth(1pcs)
- Lithium Battery(1pcs)
- Carabiner(1pcs)
- User Manual(1pcs)
- Hang String(1pcs)

1.3 Parts of Device

- 1.Power Button
- 2.Mode/Meter & Yard Select Button
- 3.Emitter/Objective Lens
- 4.Laser Receiving Aperture
- 5.Eyepiece Knob
- 6.Battery Lid
- 7.Tripod Nut

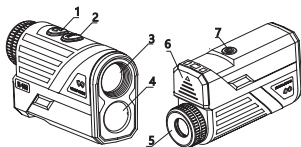


Figure 1 Parts of Device

1.4 LCD Display Description

- 1.Bow Hunting
- 2.Target
- 3.Bluetooth
- 4.Range Data
- 5.Yard
- 6.Speed
- 7.Meter
- 8.Vertical/Horizontal Distance
- 9.Slope Distance Symbol
- 10.Flag Lock
- 11.Angle
- 12.Vibration
- 13.Model
- 14.Battery Indicator

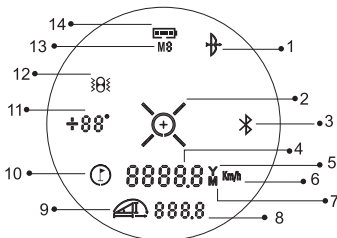


Figure 2 LCD Display

Note:

- The full LCD only shows when turn on. Some icons will not display while using.
- LCD screen uses the most advanced technology, but this does not ensure completely removal of dust. When using this product, the LCD screen will be in high magnification and dust may appear in the form of defects, but does not affect ranging function.

2. Instruction Considerations

2.1 Measurement Considerations

• Measurement Targets

The range finder is suitable for measuring high reflectivity objects (such as highway's signpad), moderate reflectivity objects (such as building's wall) and low reflectivity objects (such as tree, golf flag, utility pole, animal etc.) When the reflectance is reduced to a certain extent, the range will be reduced accordingly.

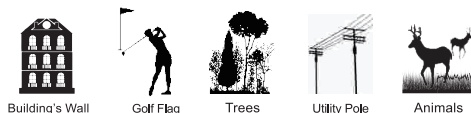


Figure 3 Measurement Target

• Factors that Influence Ranging Capability

- 1) Target Reflectivity:** Generally speaking, the higher the reflectivity of the object, the better the ranging ability. (It may be fail to measure the target that can hardly create diffuse reflection, such as water surface.)
 - 2) Target Shape:** When a target is too small or uneven, ranging capability and range corresponding speed will decrease.
 - 3) Measuring Angle:** The ranging ability would be better if the measured object is vertical with laser emission's direction. It's possible that the measuring range cannot meet the ranging ability specified in the manual under some extreme conditions.
 - 4) Environment Factor:** The environment factors including sunshine intensity, the concentration of water vapor in the air and suspended particles. (such as rain fog, snow, fog, haze, etc.)
- **The Range Ability of the Product Defined Under the Following Conditions:**
- 1) The measurement target is with moderate reflectivity, such as building walls.
 - 2) The measured object is vertical with laser emission direction.
 - 3) The weather condition is sunny but not direct sunlight.

2.2 Battery Instructions

• Power Indication

Full power: 

Low battery, Please replace a new battery: 

• Replace the Battery

Referring to Figure 4, open the battery compartment cover by sliding it in the direction of the arrow. Ensure each battery is inserted with the correct polarity (+/-) as indicated inside the battery compartment. After loading the batteries, close the battery door.

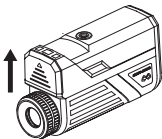


Figure 4 Battery Replacement Illustration

■ Cautions

- 1) Please tear off its plastic film of battery before installing battery.
- 2) Please take out the battery at once if it runs out or doesn't use for a long time.
- 3) The battery should be installed with the "+, -" poles in right direction according to battery housing label indication.
- 4) Please use the same specification CR2 brand battery. Explosion or leakage of liquid due to the use of sub-CR2 batteries, we will not assume any responsibility.
- 5) Please don't put the battery together with metal items such as keys, coins in one pocket or it may cause overheating by short circuit of the battery.
- 6) Don't keep the battery in extreme temperature environments.
- 7) Waste battery disposal please comply with local laws and regulations.

3.General Operation

3.1 Power on/Power off

Power on: Press the power button for more than 2 seconds and all the signs will show on the LCD screen. If only short press the power button, the LCD screen just displays last used or default mode signs, but not all signs.

Power off: The product will shutdown automatically in 8 seconds if no any operations.

3.2 Unit/Mode Switching

"M" or "Yard" Unit Setting: In the boot state, Long press of the mode button to change the unit of length, M or Yard.

Mode Switching: In the boot state, press the mode button and keep less than 2 seconds, then measurement mode switch can be activated.

3.3 Single Measurement / Continuous Measurement / Failure Measurement

Single Measurement: Short press the power button to start single measurement.

Continuous Measurement: In M1 Mode, press the power button and keep over 2 seconds, the measured distance value displayed alternately on the LCD screen, and the target sign+ will show on the screen until release the power button.

Failure Measurement: Failure Measurement shows like figure 7. The product will shut down automatically in 8 seconds if no any operations. Press the power button again and it will start on.

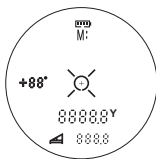


Figure 5

Single Measurement

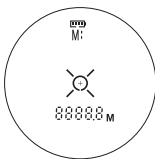


Figure 6

Continuous Measurement

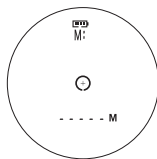


Figure 7

Failure Measurement

Note: If the measure fails, the measured value on the screen will display as:"--"

4. Model Operating Instructions

4.1 H-100P

The model is a function-enhanced models for golf sports, with Range/Angle/Flag locking/Slope distance correction/Vertical distance functions.

• Mode Icon



Figure 8

Single Measurement Mode



Figure 9

Flag Locking Mode





Figure 10

Slope Distance Correction Mode



Figure 11

Vertical Distance Mode

• Mode Description

- 1) **M1 Mode:** Short press the power button to measure straight-line distance, horizontal distance and angle.(as figure 8)
- 2) **M2 Mode:** Non-slope mode, short press the power button to lock flag, the rangefinder will vibrate when the target is locked. The straight-line distance will display on the screen.(as figure 9)
- 3) **M3 Mode:** Training mode, short press the power button to lock flag, the rangefinder will vibrate when the target is locked. The distance with slope compensation will display on the bottom of the screen.(as figure 10)
- 4) **M4 mode:** Short press the power button, you can measure straight-line distance and vertical distance.(as figure 11)

5. Using Scene Description

5.1 General Using Scene Description

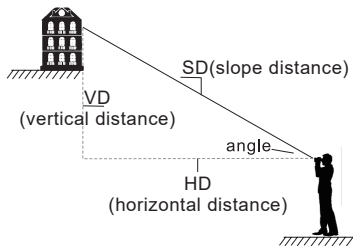


Figure 12

SD/Angle/HD/VD

5.2 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 13, $AB=AD$. 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.

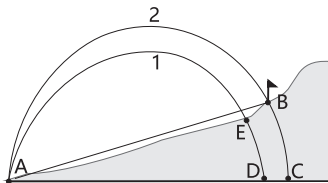


Figure13

Positive Slope

In the negative slope, the compensation distance is shorter than real distance. See figure 14, $AB=AD$. 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.

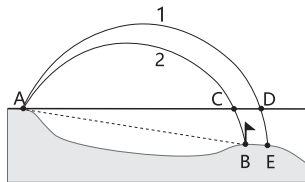


Figure14

Negative Slope

6.1 Transport/Storage/Maintenance/Disposal

Transport: Please add enough cushioning material in the box to avoid damaging the machine while in transport. When the machine falls on the ground, and makes a strange noise, please remove the battery immediately and stop using.

Storage : Please keep the product out of reach of children. Don't put it on a high and unsteady place to prevent falling on the ground. Do not place the product in a high temperature environment or it may cause damage of the products.

Maintenance: If the product is used in rapidly changing temperature, The lens surface will covered by fog. So please don't use it before the fog evaporates. Please clean with lens cloth but not your hands when it is dirty, or it may cause damage to the glass coating.

Disposal: The product package and discarded products should be recycled or disposed properly in accordance with local laws.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help. Shielded interface cable must be used with the equipment in order to comply with the limits for a digital device pursuant to Subpart B of Part 15 of FCC Rules. Specifications and designs are subject to change without any notice or obligation on the part of the manufacturer.