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HX 2000

RANGEFINDER

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Quick Start Guide

Focus adjustment

HX2000 range finder is constructed with an adjustable eyepiece (+/-3 Diopter). People with different visions don't need to wear glasses, they can observe LCD with naked eyes.Rotating the eyepiece until the reticle and object display to your eye clearly.
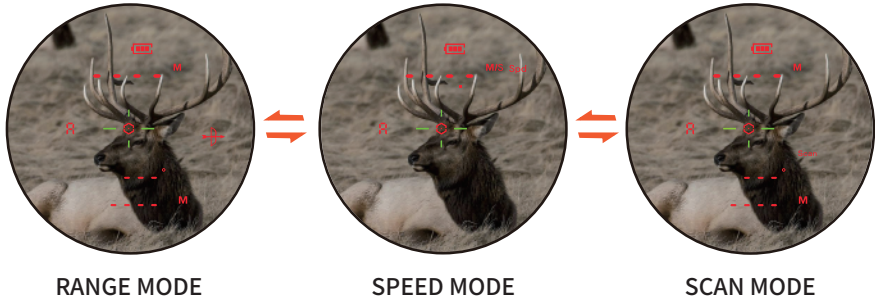
Modes memory function

The initial boot mode is Range mode. But any of your operations will lasts to next turn on after shut down.

Functions of "MODE" button

【1】Mode switch

Clicking the "MODE" button to switch modes between Range mode, Speed mode and Scan mode.

RANGE MODE   SPEED MODE   SCAN MODE

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【2】OLED brightness switch & Units switch

Step 1: Pressing the "MODE" button for 2 seconds, then release it to enter the OLED brightness switching screen.

Step 2: Clicking the "POWER" button to select OLED brightness.

"A": Auto OLED brightness adjustment (Automatically adjust the brightness of OLED according to the strength of ambient light).
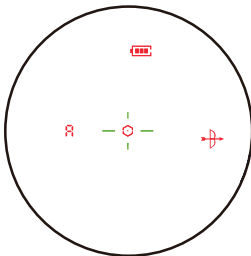
"M1-M3": Manual OLED brightness adjustment (Click "POWER" button to switch M1, M2, M3. Three different OLED brightness can be choosed.)
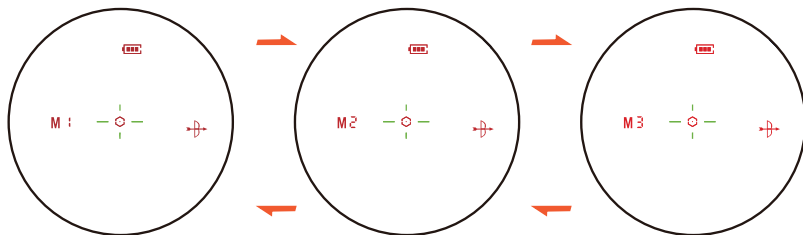
Step 3: After switching the OLED brightness, click "MODE" button again to enter units switching screen.

① In units switching screen, if you need to change units between M (meters) and Y (yards), just need to click "POWER" button. After selecting units, click "MODE" button again back to measurement screen.

② In units switching screen, if you don't need to change units between M (meters) and Y (yards), just need to click "MODE" button again. Then you can back to measurement screen.
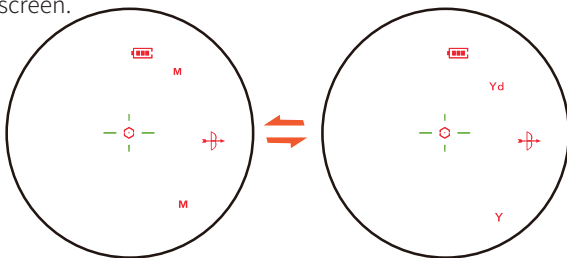
Notice: After switching the OLED brightness, you must pass through the units switching screen then you can back to the measurement screen.

Range mode

【1】Look at LCD through the eyepiece, you will see the display as right picture.

Tips: Make sure the mode switches to the Range mode, as shown on the right.

【2】Operation method

After switch to the Range mode, click "POWER"

button again to measure. (The laser rangefinder will

auto power-off if no operation within 8 seconds.)

Placing the aiming circle (located in the center of view) on a target over than 5 yards away, click "POWER" button. The straight line distance range and angle, horizontal distance reading will be displayed on LCD.

The upper part of the LCD displays the straight line distance.

The lower part of the LCD displays the angle and horizontal distance that is the true distance.

Speed mode

【1】Look at LCD through the eyepiece, then click the "MODE" button to switch to Speed mode, you will see the display as right picture.

Tips: Make sure that the "Spd" logo is displayed on the right side of the screen, as shown on the right.

【2】Operation method

Clicking the "POWER" button to aim at target B and move slightly, the speed of the movement can be measured accordingly, "Spd" is always displayed during measurement.

Notice：

Aiming circle should be aligned on target until aiming circle stops flash, meantime gets target's speed.

"α" must be less than 10°, the smaller the angle, the higher the accuracy of speed.

Direction of motion

Scan mode(Continuous scan)

【1】Look at LCD through the eyepiece, then click the "MODE" button to switch to Scan mode, you will see the display as right picture.

Tips: Make sure that the "Scan" logo is displayed on the right side of the screen, as shown on the right.
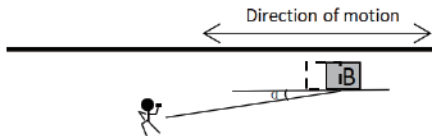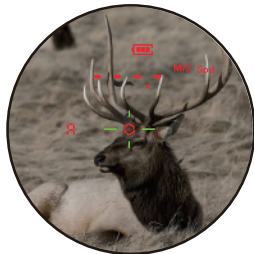

【2】Operation method

Continuous scanning: Press the "POWER" button to keep moving and measure the distance. "Scan" is always displayed during measurement.

The center circle will flash when moving, and the angle, horizontal distance and straight line distance will change with the target.

The angle, horizontal distance and straight line distance of the last target will be displayed when the continuous scanning is completed.

Tips: When measuring targets in bad hunting weather, it is recommended to use the Scan mode.

Hunting function instruction

Straight-line distance between hunter and prey is 32 yards, angle is -44-degree, horizontal distance is 23 yards.

You should shoot as 23 yards instead of 32 yards. You will shoot over the top of deer if you shoot as 32 yards because of the angle. Bow-hunters want to know true horizontal distance because that is how they practice shooting, and once they confidently know that, they can make any necessary adjustments. Giving the bow-hunter anything else other than horizontal distance creates additional confusion and uncertainty.

Many people mistakenly believe that uphill shots perform differently from downhill shots because of gravity. However, it is not due to gravity, but more of an aberration of the sighting system used on bows.

32 yards line of sight distance

-44°

23 yards true distance

The sighting pin on a bow resides inches above the mechanical axis of the arrow. For example, when one is aiming 23 degree up an incline, the arrow is at a different angle.
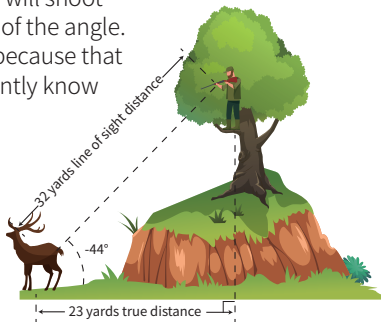
Product Specifications

1.	Model	HX2000
2.	Size	98.5*80.5*46.5 mm
3.	Weight	268 g
4.	Battery	CR2-3V
5.	Measurement range	5～2000 Y
6.	Measurement error	±1 Y
7.	Measuring range of speed	0.5-100 m/s
8.	Magnification	7 Times
9.	Objective diameter	24 mm
10.	Eyepiece diameter	16 mm
11.	Exit pupil diameter	4 mm
12.	Laser wavelength	905 nm
13.	Laser type	Class I
14.	Diopter	±3°
15.	Operating temperature	-10～50 ℃
16.	Storage temperature	-20～60 ℃
17.	IP rating	IPX4 waterproof

Display Overview

8888	Measuring distance: Straight-line distance
88.8°	Angle
8888	Horizontal distance
Spd	Speed of your target
Scan	Continuous scan
⬡	Target marker: Please superimpose the center circle with target object to be measured
🔋	Battery indicator
M8	OLED brightness switch: "A": Auto OLED brightness adjustment "M1-M3": Manual OLED brightness adjustment
M/S Yd / M Y	Distance unit display: The distance unit at your option

Included Accessories

*Laser rangefinder*1

*Instruction manual *1

*Handbag*1

*Lanyard*1

*Cleaning cloth*1

*Battery*1

*Carabiner*1

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Operation & Ranging Accuracy

The HX2000 range finder emits invisible, eye safe, infrared energy pulses. Sophisticated digital technology instantaneously calculates distances by measuring the time, which it takes for each pulse to travel from the rangefinder to the target and back to rangefinder.

The color, surface smoothness, size and sharpness of target will affect its reflectivity and range.

It is difficult to test in the following conditions and environments:

Raining or fogging / the target is too small / low reflectivity of the measured object (black color, complex shape, curved surface, water surface, glass surface, mirror surface. etc.) / low battery.

Component Names

① Laser transmitting objective lens

② Laser receiving objective lens

③ Units switching button/
  mode switching button
  (M: Meter/Y or Yd: Yard)

④ Power/reading button

⑤ Rotary focusing

⑥ Battery cap

Battery Level Display & Warnings

Remove the battery cap by rotating the cap counter-clockwise.
- Insert a CR2-3V battery.
- Put the negative pole of lithium battery into battery compartment first.
- Replace the battery cap.

Note: It is recommended that the battery should be replaced once every 12 months.

Notice: Replace the battery when low battery indicator shows. If the " ▭ " displays and flash on LCD, which means "low battery". It can be turned on, but it can't shows any data.

Display	Description
▥	Sufficient power available.
▤	60% power left.
▯	Low battery indicator flash: Replace the battery now! ***It can be turned on, but it can't shows any data.**

Precautions of lithium battery

- To prevent leakage, heat and fire, etc.
- Do not disassemble and modify the product by yourself.
- Do not throw it into fire or store it in high temperature.
- Avoid direct contact with metal objects such as coins or keys (in a pocket or bag).
- If skin touch the leaked liquid accidentally, please rinse under cool water immediately.
- If eyes or mouth touch liquid leaking, do not rub. Rinse under cool water and consult a doctor.
- It must be kept out of reach of children.
- Observe treatment methods in your native policy when dropping a used lithium battery.

Inserting/Replacing battery

1. Open the cap counter-clockwise
2. The positive pole "+"of the lithium battery CR2 should be placed outwards.
   (look at the picture)
3. Tightening the battery cap clockwise after installing the battery.

Safety Guidelines

- Preventing your instrument from falling or getting damaged and never tamper it. If there is abnormal noise, please contact customer service department of our company. The operating temperature for this product is-10 ℃~50 ℃. Please use or keep the
- instrument within the operating temperature range and avoid using in a sharp temperature change environment.
- Please do not keep the product under the sunlight directly, high temperature or low temperature environment for a long time. (e.g. in trunk of car).
- Do not expose and aim at the sunlight.
- Do not use or store the product in the environment with strong electromagnetic radiation or magnetic field.
- If the product isn't be in use for a long time, please remove the battery and store it in a cool, dry place. It is also recommended to put this product in a dry box.

- Do not disassemble, modify or repair the product by yourself, the damage of the instrument and the irradiation of the laser may cause the visual damage and other harm.
- Please do not use it in dusty areas in order to avoid failures.
- Although the product has waterproof function, please do not get it wet or immersed in water intentionally. When there is moisture around the button, please operate it after wiping it off, and do not use it in water.
- Please confirm that the battery cover is closed tight when it be used.

Warning!

- Do not look at the Laser Transmitting Objective Lens ①.
- Do not measure eyes of others.
- It is forbidden to detach this product yourself.
- It should be kept out of reach of the children.

Warning

Attention!

- It is normal for lens to be wet when the temperature changes suddenly. In this situation, remove the battery and do not use the device until it becomes dry.
- Moving from a cold place to a hot room of the product may dew on the appearance and internal parts. To avoid this phenomenon, please put the device in a waterproof plastic bag and take it out after its temperature has gradually increased.
- To avoid failures, do not store the product in:
  1. Unventilated and humid places
  2. The car or trunk exposed to the sun
  3. Environment with humidity over 90%
  ※**Please don't preserve or place the lens under the sun! Its radiation convergence function can harm the LCD.**

Maintenance & Care

Gently wipe the surface of lens with a clean, soft cloth to remove stains which would damage it.
If there are stains on the surface of the lens, which may damage lens. Do not touch the lens with your finger to protect the coating from the appearance.

Customer Support/Warranty

Q1: HOW TO CONTACT US?

Method1: Follow our Instagram 📷 **"aofar_official"**, then directly message us
Method2: Send your questions to our mailbox **"service@aofar.com"**
Method3: Visit our website**"www.aofar.com"**

Instagram

Q2: HOW TO GET VIP WARANTTY?

Register your VIP warranty: **https://www.aofar.com**

Website

Q3: HOW TO WATCH AOFAR VIDEOS?

Subscribe to YouTube channel: **"aofar_official"**

YouTube

AOFAR UK CA

Name: Range Finder	Manufacture Date: 2025
Model: HX2000	Serial Number: 2561801005
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