

AOFAR[®]

GOLF RANGEFINDER

G X - 7 N

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- English manual-----Contact us: service@aofar.com
- Manuel en français ----- Contactez-nous: service@aofar.com
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2. OPERATION INSTRUCTIONS

Measurement range

Reflective range: 5~800 Y

Tree range: 5~500 Y

Flag range: 5~150 Y by range mode

5~300 Y by scan mode

Focus adjustment

Rotating the eyepiece until the reticle and object display to your eye clearly.

GX-7N 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.



Functions of "MODE" button

【1】 Units switch

The GX-7N range finder can be used to measure distances in yard or meter. The unit of measure indicators are located in the lower right portion of the LCD.

To select yard and meter, just press and hold the "MODE" button for 3 seconds to change "Y" (yard) and "M" (meter).

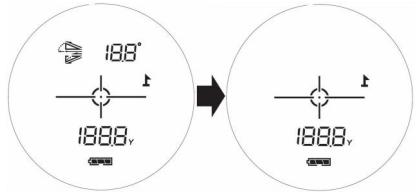
【2】 Mode switch

To switch the modes, just short press the "MODE" button to switch the Range mode, Scan mode and flag lock mode.

Slope switch with indicator light

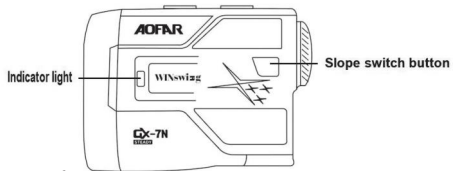
Independent slope switch button

- There is a separate button on the outside of for product as a slope switch, which makes the operation easier and more convenient. As shows below.
- Turn the slope on or off with a short press.



Indicator light

- There is an indicator light on the outside, which is convenient to understand the slope on/off status.As shows below.
- Light flash: SLOPE OFF
- Light off: SLOPE ON



Range mode

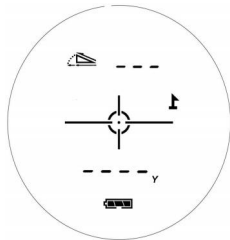
【1】 Look at LCD through the eyepiece, you will see the display as below picture.

Tips: Make sure the mode switches to the Range mode, As shows right.

【2】 Operation method

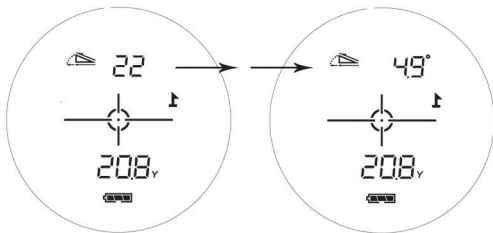
After switch to the Range mode, short press Power button again to measure. (The laser rangefinder will auto power-off if no operation within 8 seconds.)

Placing the aiming circle (located in the center of view) on a target over than 5 yards away, press Power button and release quickly. The range, slope compensation distance and angle will be displayed on LCD.



LCD upper data display order: slope compensation distance, angle, slope compensation distance.
(Straight-line distance is 20.82 yards, slope compensation distance is 22 yards, and angle is 4.9 degrees.)
For the parabolic distance of uphill / downhill slope. Please refer to Page 12 "Golf mode example".

Tips: When the target's background is single or the target is large, just need use RANGE MODE that click the "Power button" to measure; When the target background is complicated or it is difficult to measure the distance by clicking Power button, you can use SCAN MODE.



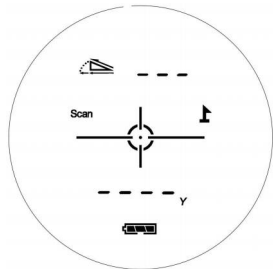
Scan mode

- Continuous scan
- Without pulse vibration happen

Mode switching method:

Look at LCD through the eyepiece, then short press the "Mode" button to switch to Scan mode, you will see the display as below picture.

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



Operation method:

Pressing and holding the "POWER" button to moving and measuring your targets."Scan" is always displayed during measurement.

The center circle will flash when moving, and the straight line distance and slope compensation distance will change with the target, and angle won't be displayed during this time.

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

Tips:


In this mode, you can scan anywhere, just need to make sure in the measurement range.

In this mode, it can keep on scan with 10 seconds, which is the maximum work time of laser. After 10 seconds, it will shows the last target's datas.


Scan mode/Flag lock mode is recommended when measuring flag on golf courses.

Flag lock mode

1.Flag lock mode (with pulse vibration happen)

Lock mode sign : After you lock onto flag successfully, the circle on flag sign will show. (Like image shows)



Method: Pressing "POWER" button and scan from far to flag, at the same time, the circle on the flag will show , you will get distance and feel vibration.

2.Continuous scan after locking successfully

After locking successfully, holding "POWER" button and move to closer targets (above 5 m/6 Y) can activate "Continuous scan function". After activating "Continuous scan function", you can only get the closer target's reading.

Notice 1: After activating "Continuous scan function", it can keep on scan with 10 seconds, which is the maximum work time of laser. After 10 seconds, it will stop reading, and LCD will display the last target's data you measured.

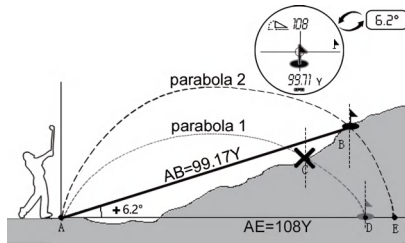
Notice 2: To use "Continuous scan function", do not release "POWER" button after locking successfully, you should press and hold "POWER" button to closer targets.

Golf mode example

Distance measurement of ascending slope: Slope is farther than the straight-line distance.

Distance between AB points=distance between AD points in a straight-line 99.71Y. Hit the ball in accordance with the distance measured with the strike parabola 1, the angle of slope is $+6.2^\circ$, and the ball will arrive at the point C.

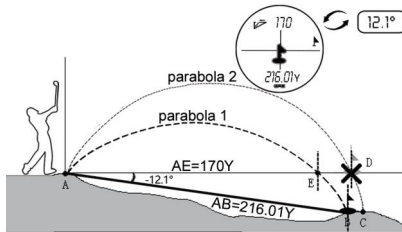
To reach the point B, the trajectory of the ball needs to follow the parabola 2. The actual hitting distance at this time is the straight-line distance between point A and point E, i.e. 108Y.



Distance measurement of downward slope: Slope is less than the straight-line distance.

Distance between AB points = distance between AD points in a straight-line 216.01Y. Hit the ball in accordance with the measured distance with the strike parabola 2, the angle of slope is -12.1° , the ball will arrive at the point C.











To reach the point B, the trajectory of the ball needs to follow the parabola 1. The actual hitting distance at this time is the straight-line distance between point A and point E, i.e. 170Y.



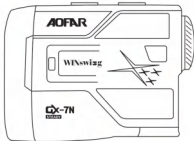

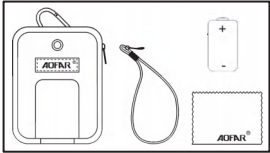
3.PRODUCT SPECIFICATIONS

Model	GX-7N
Size	96*70*34mm
Weight	180g
Power source	CR2-3V
Reflective range	5~800 Y
Tree range	5~500 Y
Flag range	5~300 Y
Measurement deviation	± 1 Y
Magnification	6 Times
Objective diameter	24mm
Eyepiece diameter	16mm
Exit pupil diameter	4mm
Laser wavelength	905nm
Laser type	Class I
Diopter	±3°
Operating temperature	-10~50℃
Storage temperature	-20~60℃
IP Rating	IPX4 waterproof

4.DESCRPTION OF THE SCREEN DISPLAY

		Uphill display: The target is uphill
		Downhill display: The target is downhill
		Display order: slope, angle then slope
		Scan mode(Continuous scan)
		Lock mode sign : Icon change comparison
		Battery indicator
		Target marker: Please superimpose the center circle with target object to be
		Measuring distance: Straight-line distance
		Distance unit display: The distance unit at your option

5.LIST OF ARTICLES

	
Laser Rangefinder	Instruction Manual
	
Handbag, lanyard, cleaning cloth and battery	

6.HOW TO WORK AND RANGING ACCURACY

The GX-7N 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.

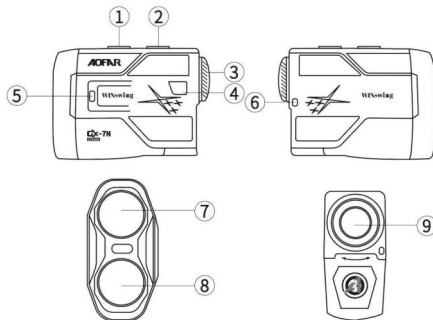
The color, surface smoothness, size and sharpness of target will affect its reflectivity and range.

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

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

7.COMPONENTS NAME

- ① MODE button/Units Switching Button (m: Meter/Y: Yard)
- ② Power/Reading Button
- ③ Rotary Focusing
- ④ Slope switch button
- ⑤ Slope switch indicator light
- ⑥ Lanyard Hole
- ⑦ Laser Transmitting Objective Lens
- ⑧ Laser Receiving Objective Lens
- ⑨ Observing Eye lens/LCD (Liquid crystal display)




8.GETTING STARTED

- 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.

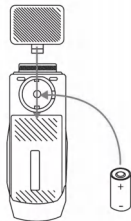
Notice: Replace the battery when Low battery indicator shows.

If the "  " displays and flash on LCD, which means "low battery". **It can be turned on, but it can't shows any data. Meanwhile, vibration will be paused.**

Install/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.

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. Meanwhile, vibration will be paused.



9. USE SAFETY INSTRUCTIONS

- 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 °C~50 °C. 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 the 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!

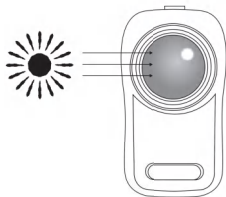
- Do not look at the Laser Transmitting Objective Lens ①.
- Do not measure eyes of others.
- It is forbidden to detach this product yourself.
- It should be kept out of reach of the children.

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!

It's radiation convergence function can harm the LCD



10.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.

11.MAINTENANCE OF THE INSTRUMENT

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.

12.CONTACT US

Email: service@aofar.com Facebook: Aofar Us	URL : www.aofar.com
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13. TROUBLE SHOOTING TABLE

If LCD can't be turned on:

- Pressing Power button again.
- Check battery or replace it if necessary. (Determine if there is an insulator blocking the battery power)

If Distance measurement is abnormal:

- Please confirm whether the lens have dirt.
- Please make sure that the mark circle overlap your target.

It can be turned on, but the data will not be displayed:

- Low battery voltage, please change the battery.
- Out of measurement range or less than 5 yards.
- Change the measurement target

Measurement error:

- M/Y is not switched
- Rain and fog and small target will also affect the measurement results

Battery power runs out quickly:

- Low ambient temperature will cause the battery power runs out quickly.
- If the battery has not been used for a long time after unpacked, the battery power will run out quickly.

AOFAR **UK** **CA**

Name:Range Finder	Manufacture Date: 2022
Model: GX-7N	Serial Number: 7561801004
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