

AOFAR[®]

GOLF RANGEFINDERS

GX-3N

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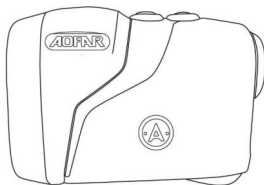
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Thank you for purchasing AOFAR GX-3N (hereinafter, the product). To ensure optimal performance and longevity, please read these instructions before using.

2.PRODUCT SPECIFICATIONS

Model	GX-3N
Size	121 x 72 x 43mm
Weight	191g
Battery	CR2-3V
Measurement range	5 ~ 800 Y
Measurement deviation	± 1 Y
Magnification	6 Times
Objective diameter	25mm
Eyeiece diameter	16mm
Exit pupil diameter	3.5mm
Laser wavelength	905nm
Laser type	Class I
Diopter	±3°
Operating temperature	-10~50℃
Storage temperature	-20~60℃
IP Rating	IPX4 waterproof

3. LIST OF ARTICLES



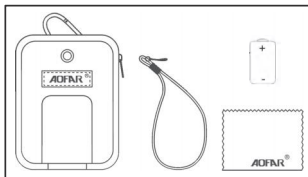
Laser Rangefinder

AOFAR®
GOLF RANGEFINDERS

GX-3N

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Instruction Manual



Handbag, lanyard and cleaning cloth, battery

4. HOW TO WORK AND RANGING ACCURACY

The GX-3N 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.

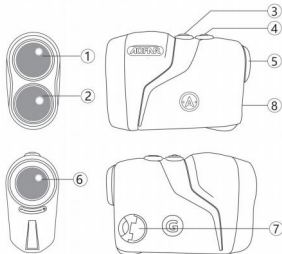
The color, surface smoothness, size and sharpness of target will affect its reflectivity and range.

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.

5. COMPONENTS NAME

- ① Laser Transmitting Objective Lens
- ② Laser Receiving Objective Lens
- ③ Units Switching Button/ "M" button (m: Meter/Y: Yard)
- ④ Power/Reading Button
- ⑤ Rotary Focusing
- ⑥ Observing Eye lens/LCD(Liquid crystal display)
- ⑦ Battery Cap
- ⑧ Sling Connecting Hole



6. GETTING STARTED

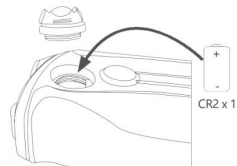
- Remove the battery cap by rotating the cap counter-clockwise.
- Insert a CR2-3V battery.
- Put the negative pole of lithium battery into battery compartment first.
- Replace the battery cap.

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










Low battery indicator: If the “” displays in view of LCD, which means “low battery”. The 3-volt lithium battery should be replaced.

Install/Change 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.



7. DESCRIPTION OF THE SCREEN DISPLAY

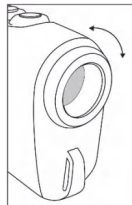
		Uphill display: The target is uphill
		Downhill display: The target is downhill
		Display order: slope, angle then slope
		Scan mode sign
		Low battery: The sign represents low battery. Please change a new one.
		Target marker: Please superimpose the center circle with target object to be measured
		Measuring distance: Straight-line distance
		Distance unit display: The distance unit at your option

8. OPERATION INSTRUCTIONS

Focus adjustment

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

GX-3N 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.



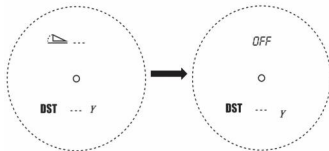
Switching of measure unit

To select yard and meter, just press and release "M" button quickly to change "Y"(yard) and "m"(meter).

The GX-3N 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.

Slope switch function

Pressing "M" button that is units switching button and hold it for approximately 5 seconds. The signal "OFF" will appear on the top and only leave straight-line distance on LCD, which is designed for golf competition. If you want to turn on the Golf mode, just need to press "M" button again for 5 seconds, until the "OFF" disappear.



Range mode

1. Look at LCD through the eyepiece, then press Power button and release quickly, you will see the display as right picture. Pressing Power button again to measure.

(The laser rangefinder will auto power-off if no operation within 8 seconds.)

2. Placing the aiming circle (located in the center of view) on a target over than 6 yards away, press Power button and release quickly. The range and angle, slope reading will be displayed on LCD.

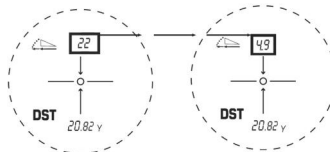
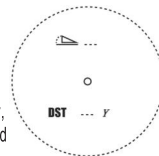
When you get Straight-line distance reading on LCD. Display order of top part of LCD is slope, angle, then remain in slope until auto power-off.

(Straight-line distance is 20.82 yards, angle is 4.9 degrees, and slope is 22 yards.)

For the parabolic distance of uphill / downhill slope. Please refer to Page 11 "GOLF MODE EXAMPLE".

3. **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.


4. **Tips:** Scan mode is recommended when measuring the flag on golf courses.



SCAN MODE

LCD data shows: Straight-line distance and angle, slope.

When you get Straight-line distance reading on LCD. Display order of top part of LCD is slope, angle, then remain in slope until auto power-off.



Scan Sign  : After you scan flag successfully, the display order is "Background Data → Vibration → Flag Data and Flag Sign Shows  " (it will shows in the upper right corner)

No Pulse Vibration happen

Pressing POWER button and keep target marker on flag face (about 3 seconds), you will get the distance, pulse vibration would not happen.

Pulse Vibration happen

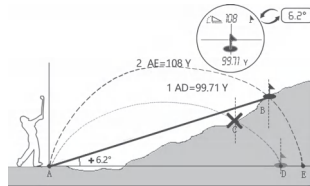
Find one object that distance needs further than flag distance. Scan from further object to flag with pressing POWER button. Pulse vibration will happen with flag sign shows (it will shows in the upper right corner)

Note: When the low battery signal  is showing, vibration will be paused for saving power. Data and scan sign  will be displayed normally on LCD. This mode is power-consuming, therefore it is not recommended for frequent use.

9. GOLF MODE EXAMPLE

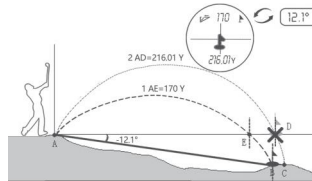
Distance measurement of ascending slope: Slope is farther than the straight-line distance.

Distance between AB points = AD points spacing is the actual straight-line distance 99.71Y. Hit the ball in accordance with the distance measured with the strike parabolic 1, the angle of slope is $+6.2^\circ$, and the ball will arrive at the point C. To reach the point B, it is necessary to follow the parabola 2. The slope must be the one between point A and point E, i.e. 108Y.



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

Distance between point A and point B = distance between point A and point D 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, it is necessary to follow the parabola 1. The slope must be the one between point A and point E, i.e. 170Y.



10. 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. (eg. 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.

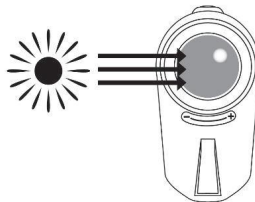
Warning!

- 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.

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



11. 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.

12. 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.

13. CONTACT US

Email : service@aofar.com

URL : www.aofar.com

Facebook : Aofar Us

14. TROUBLE SHOOTING TABLE

If LCD does not illuminate:

- Pressing Power button again.
- Check battery or replace it if necessary.

If Distance measurement is abnormal.

- Please confirm whether the lens have dirt.
- Please make sure that the mark circle overlap your target.
- Change targets to see whether the result is abnormal.

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