



# X-VISION OPTICS

RFO-1600 Instruction Manual



## RFO-1600 Rangefinder

Thank you for purchasing this X-Vision rangefinder! The RFO-1600 provides an ultra-bright (adjustable) red OLED display, fast-ranging, 6x magnification and multiple modes for your activity of choice. We've packed a lot of features into this tiny package—read this manual completely to take full advantage.

1. Eyepiece
2. Laser receiver
3. Laser projector
4. Power / Range
5. Mode
6. Battery access

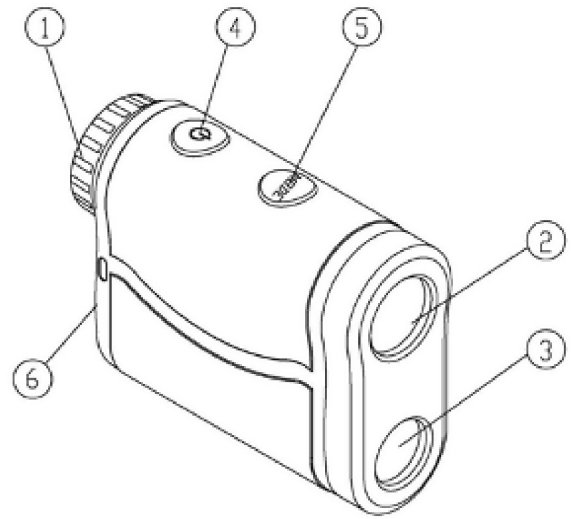


Figure 1

## OLED DISPLAY

1. Aiming sight
2. Ranging Distance display - - - - -
3. Ranging Distance unit of measurement (meters or yards)
4. Ranging mode: rain hunt , golf standard (no display)
5. Horizontal Distance or Angle unit of measurement (meters, yards, degrees°)
6. Horizontal Distance or Angle Display - - - - -
7. Horizontal Distance (HD) / Angle( $\Delta$ ) Indicator
8. Battery Charge Display
9. Laser emission display

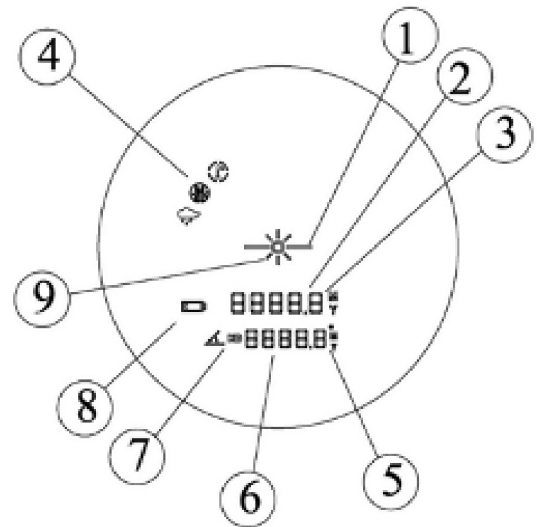










Figure 2

## BASIC RANGING OPERATION


- Rotate the eyepiece to focus the diopter
- Press the power button once to turn the unit on.
- Aim at the target with the sight 
- Press the power button with target acquired
- The laser indicator will flash on, then display the distance to the target.
- Press and hold the power button to enter scan mode, which rapidly provides distances as you move the rangefinder.
- Power will turn off automatically after 30 seconds when not in use.

## RANGING MODES

To toggle between modes, press the MODE button.

- Standard Ranging (no icon displayed) provides distance and angle measurement
- Rain mode  is for use on rainy or foggy days where the target distance is greater than 30 yards, with horizontal distance (HD) provided
- Golf mode  gives the priority to the nearer object, helpful in picking out a flag from objects behind it. If the rangefinder obtains multiple distances, it will display the nearest option along with a circle around the flag . If it only obtains one target, no circle will be displayed . HD provided.
- Hunt mode  gives preference to the further object, ignoring interfering objects like bushes and branches. If the rangefinder obtains multiple objects, it will display the furthest option along with the circle around the hunt icon . If one object is attained, no circle will be displayed .

## HORIZONTAL DISTANCE VS ANGLE DISPLAY

- In Standard Ranging Modes, the Angle of the target objective compared to the position of the rangefinder will be shown, in degrees, and the Angle Measurement icon  will be present in the lower-left corner of the display.
- In all other modes, Horizontal Distance is shown, indicated by the HD icon in the lower-left corner of the display. While the ranging distance will always display the point-to-point distance, accounting for elevation changes, the Horizontal Distance considers the distance without the angle accommodation.

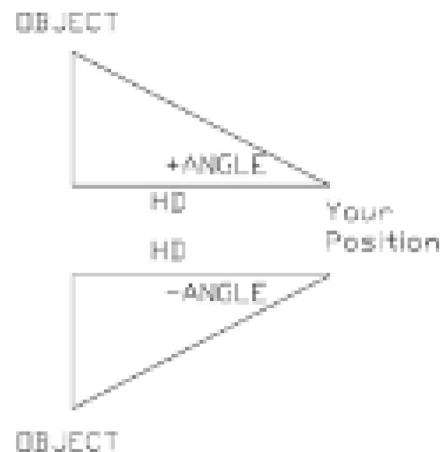


Figure 3

## ADJUSTING BRIGHTNESS

After switching between all modes, the display will show all icons and indicators at once. When in this mode, you can adjust the brightness level from 1-6 by pressing the power button repeatedly. Press the Mode button to return to Standard Ranging mode.

## CHANGING UNIT OF MEASUREMENT

To switch between Meters (M) and Yards (Y), simply hold down the MODE button for three seconds. Y or M will show on the lower left of the display.

## FULL PERFORMANCE SPECIFICATIONS

- Maximum range: 1,600 yards / 1,500 meter
- Range accuracy: +/- 1 yard
- Angle measurement range: +/- 90° in 0.5° increments
- Angle measurement accuracy: +/- 1°
- Effective Lens Diameter: 21mm
- Eye relief: 17mm
- Exit pupil diameter: 3.3mm
- 6x magnification
- Power supply: CR2 3-volt battery
- Weight: 161g
- IPX5 waterproof rating

## CAUTION

- Do not disassemble the rangefinder – doing so will void the warranty
- Avoid touching the lenses with your hands--use only designated lens cleaning cloths
- Do not invert the battery
- If the rangefinder is going to be stored indefinitely, remove the battery
- Store in a cool, dry place