

ATC1006A 8x25

Multifunctional Laser Range and Angle Finder Monocular

Operation Manual



1. Introduction

Multifunctional laser range and angle finder monocular is a portable optoelectronic device integrated with functions of a laser range finder, an angle finder and a monocular.

a) It helps you observe objects with great clearness. In addition, it can measure the distance of a stationary or slowly moving object within a certain range.

b) It could simultaneously measure the distances and angle between users and targets. It displays the angle, sight-of-distance, horizontal distance and height in through-the-lens LCD.

c) It measures distances in a short time with a high accuracy. It consumes low power and can automatically shut off. With compact design, it is very easy to carry about.

Multifunctional laser range and angle finder monocular is widely used in traveling, sightseeing, golf sports, hunting, camping as well as for any measurement of outdoor projects. It is a very good assistant to improve our outdoor life quality.

2. Appearance:

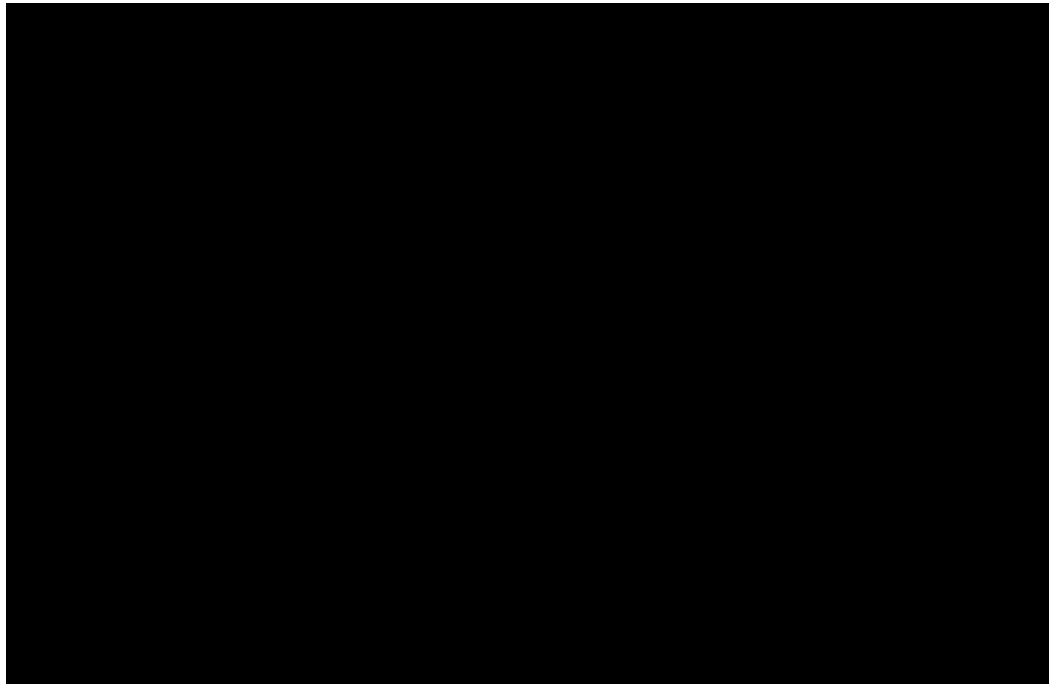


Figure 1 Appearance of Multifunctional Laser Range and Angle Finder Monocular

- | | |
|---------------------------------------|-------------------------|
| 1. Laser Emitting Lens/Telescope Lens | 2. Laser Receiving Lens |
| 3. Mode Button | 4. Power Button |
| 5. Adjustable Eyepiece | 6. Battery House |

3. Built-in LCD Display

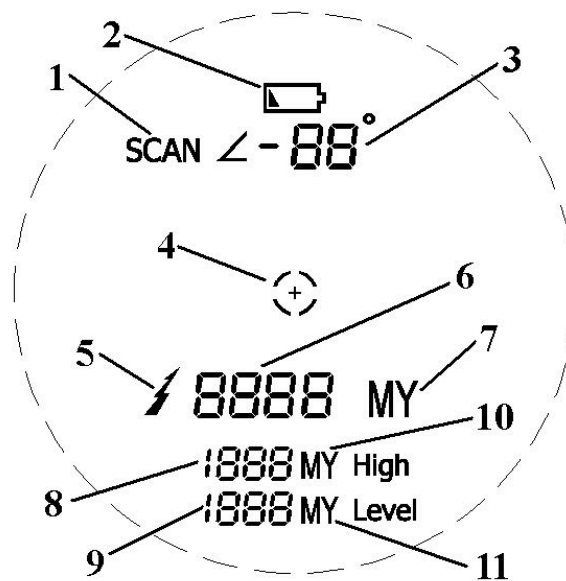






Figure 2 LCD Indications

- 1) “SCAN”—Scan measurement





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- 2) “ ” — Low battery indication;
 - 3) “ \angle -88°” — Angle indication;
 - 4) “ ” — Aiming indication, used for aiming the center of a target;
 - 5) “ ” — Laser transmission indication;
 - 6) “8888” — Sight-of-distance, or “----” when measurement fails;
 - 7) “MY” — Distance unit indications, M=Meter and Y=Yard;
 - 8) “1888 MY High” — Vertical height and unit indications;
 - 9) “1888 MY Level” — Horizontal distance and unit indications.
 - 10) “MY High” — Height unit indication
 - 11) “MY Level” — Horizontal distance indication

4. Specifications

Measuring Range of Distance	5M-600M
Range Measure Accuracy	± 1 M(Y)
Function of Measuring Angle	yes
Function of Scan	yes
Magnification	8 ^x
Object Lens Size	25mm
Exit Pupil Distance	13mm
Exit Pupil Diameter	3mm
Field of View	6.2°

Diopter Adjust Range	±4
Net Weight	260g
Battery	Lithium CR2/3V
Low Battery Indicator	
Dimensions	120x79x42mm

5. Operation Instructions

- 1) The device has two buttons: “Power” button () and “Mode” button. Press “  ”button for about 0.5 second to activate the built-in LCD display system. Press the “MODE” button switch measurement mode between simple measurement of sight of distance and full-function mode. Hold the “MODE” button switch the units of distance “M” and “Y”.
- 2) Turn the eyepiece of the monocular until the view becomes clear.
- 3) Press the “  ” button and all data will be displayed in through-the-lens LCD immediately. For detailed indications, please see Figure 2.
- 4) The laser indicator “  ” will blink when laser is transmitting . If the reflection of laser is too weak, the LCD displays “----”. Figure 3 and 4 show two different measurements of the location of the target.

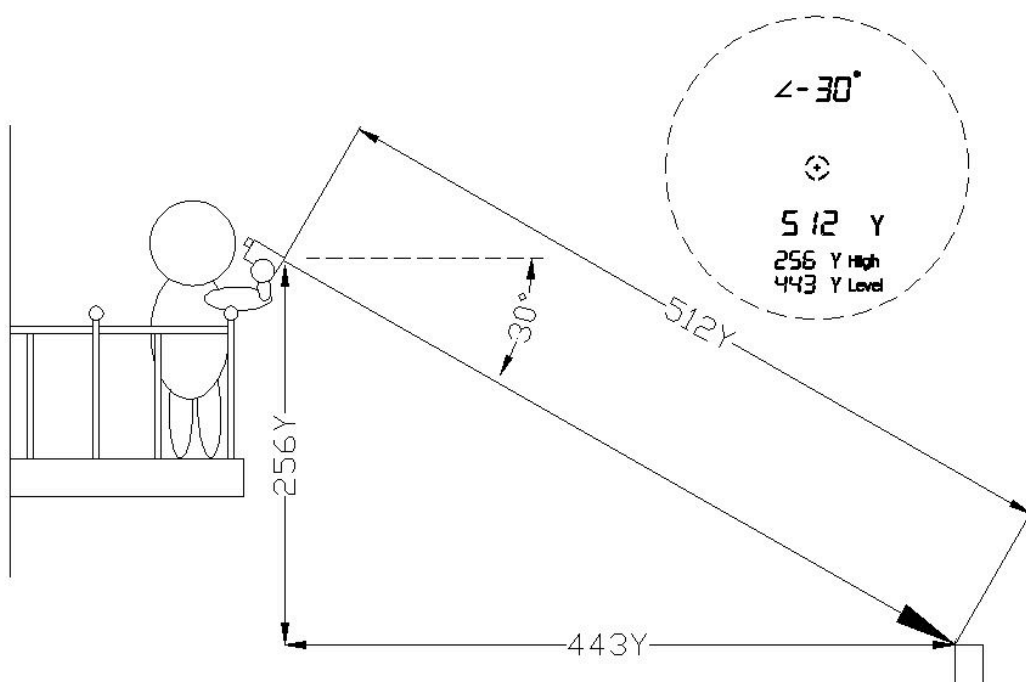


Figure 3 Angle of Depression

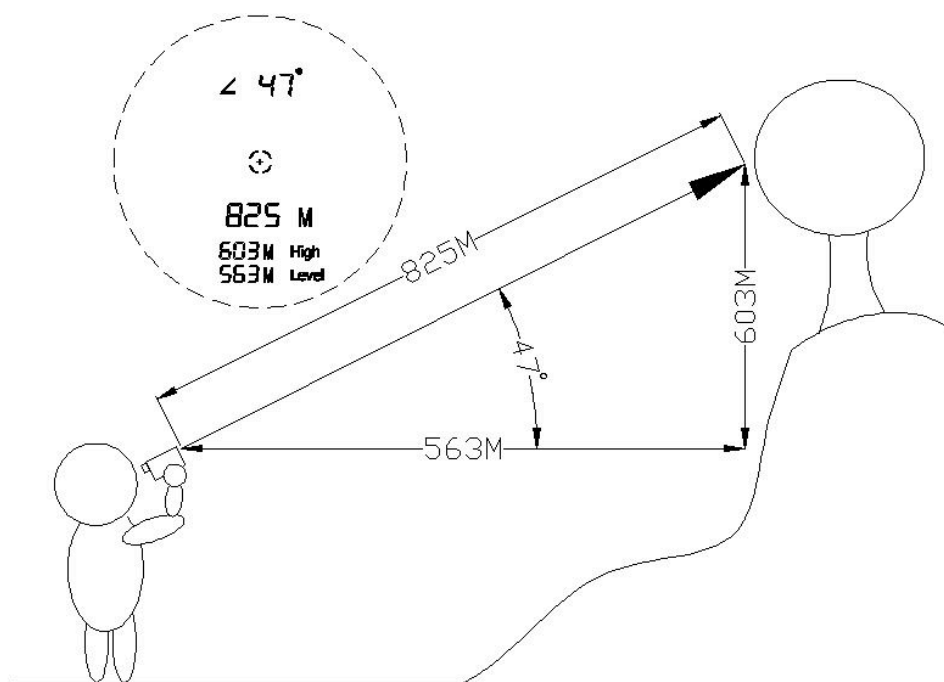






Figure 4 Angle of Elevation

- 5) Press and hold the “” button, scan function starts, and the LCD displays “SCAN”. The new data of sight-of-distances, horizontal distance, angles and height will continuously be displayed in the LCD. After releasing the “” button, scan function stops and the

LCD returns to initial state.

- 6) The device will automatically power off in 20 seconds without operation.
- 7) “” indicates that the power is insufficient and battery needs to change.

6. Caution

- 1) The measuring range of laser rangefinder could be influenced by the targets, the angle between the laser and targets and the weather. Generally speaking, the measuring range is better when there is a smooth surface, bright color, big surface of targets and the bigger angle between laser and targets.
- 2) When “” displays, the battery needs to be replaced. Otherwise, the rangefinders cannot work accurately. If it will be not used in a long time, please take out the battery.
- 3) Do not touch the eyepiece lens with fingers in order to avoid damage.
- 4) This device has been accurately aligned and adjusted with high precise equipments. Never disassemble it at random.
- 5) If the external lens is stained, please clean it with the lens cloth. Don't use other things so as to prevent the coating from damages.
- 6) Collision or high pressure should be avoided when carrying about or operating, keep it away from the fire and prevent corrosion as

well.

- 7) Keep the device at a dry, cool and airy place and avoid dust, direct sunshine and extreme change of temperature.
- 8) If the device meets a problem, send it to a professional department, never disassemble it by yourselves.
- 9) Never transmit the Laser towards sun or strong light, so as to prevent the photosensitive element from damages.

7. Accessories

Name	Quantity
Laser Range and Angle Finder	1
Leather Case	1
Color Box	1
Neck Strap	1
Plastic Bag	1
User Manual	1
Drier	1
Lens Cloth	1