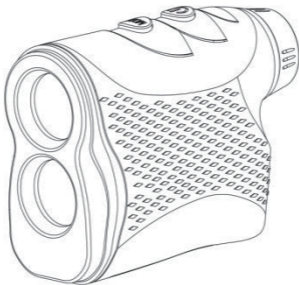


Laser Rangefinder



Operation Manual

0171012

Model Guide

XXXX - X

Function indication

P : Distance measuring (single measuring and continuously measuring mode) 、 Fog mode、 Pinseeker mode、 speed finder mode

H: Distance measuring (single measuring mode) 、 Angle finder mode、 Height finde mode、 Fog mode、 speed finder mode

Measuring range

For example 600 means 5-600m,
900 means 5-900m,
1200 means 5-1200m,
1500 means 5-1500m

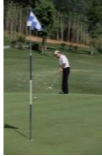
FEATURE:

Laser type	905nm
Measuring range of distance	Reference model
Measuring range of speed	0-300KM/h
Measuring range of angle	$\pm 60^\circ$
Magnification	6X
Eye piece size	16mm
Exit pupil diameter	3.8mm
Range measurement precision	Average $\pm 1m$
Speed measurement precision	$\pm 5KM/h$
Angle measurement precision	$\pm 1^\circ$
Net weight	172g
Dimensions	105x82x43mm
Operating temperatures	$-10^\circ C - 40^\circ C$
Battery	AAA battery

INTRODUCTION:

The laser rangefinder is a portable optoelectronic device that can be used to measure distance, angle, height and speed. It has advantages such as high accuracy, quickly measuring, low power consumption, especially It can identifying small objects (such as flagsticks) from background targets, like trees or bushes.

Measurement target :



Road signs

Building

Golf Flagpole

Trees

★The rangefinder suitable for measuring high Reflectivity of an object (such as street signs), moderate reflectance(such as a building wall), and low reflectivity objects (such as trees and golf flagpole, etc.).

LCD DISPLAY:




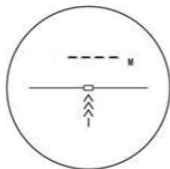
Screen Indication:

1. "Hgt" Height finder mode
2. "Scan" Continuously measuring mode
3. "Fog" Fog mode
4. "speed" Speed finder mode
5. "↑ + Scan" Pin seeker mode
6. "🔋" low battery indication
7. "—|—" Target centre
8. "8888" Display numerical value, four dashes
"----" will appear without numerical value.
9. "KM/HS" It shows "M" or "Y" in the distance measuring mode and height finder mode, it shows "KM/h" or "M/S" in the speed finder mode
10. "∠" Angle mark is displayed in the Angle finder mode.

OPERATION INSTRUCTIONS:

◆ Start

The rangefinder has two button: the power button  and the mode button "M". Press power button shortly and turn the power on. The LCD will display as shown in the below figure.(distance measuring mde)



◆ Adjust the focus

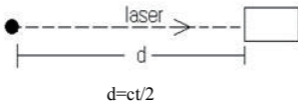
The range finder is designed with an adjustable eyepiece (dioptré). By adjusting the focusing dioptré within a -5 to +5 range, people with far sighted vision can use laser range finder without glasses. Looking through the eyepiece, turn the dioptré left or right until the view is focused with clarity to suit you.

◆ Mode Selection

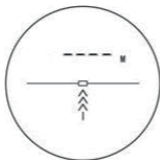
We produces kinds of laser rangefinders, each kind can change modes by short press the button “M”. change unit by long press “M” button, “M” or “Y” in the distance measuring, “KM/h” or “M/S” in the speed.

◆ “Distance measuring” mode

1. Function Principle:



2. LCD display:

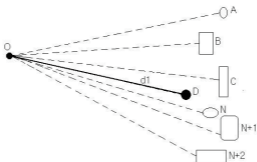


Model P: Press power button shortly, the distance value will display, Long press power button, the “Scan” will twinkle and continuously measuring value will display.

Model H: Press power button shortly, the distance value will display.

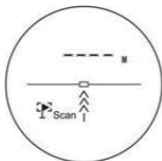
◆“Pin seeker” mode

1. Function Principle:



In the pinseeker mode, the point D may be isolated from a number of points in the background out and keep only the distance $d1$ to the point. So as to achieve the automatic locking flagpole distance. The other goals were shielded behind the flagpole.

2. LCD display:



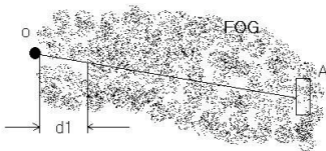
Model P: Press power button shortly, the distance value will display, Long press power button, continuously

measuring around flagpole till the value is stable, this value is the distance to flagpole.

Model H: it do not have this mode

◆“Fog” mode

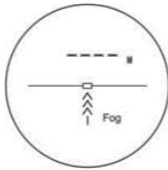
1. Function Principle:



Because the fog will reflect the laser generating,so the fog will not be able to measure distant targets.

Filter out the laser reflector fog errors caused by distance ($d1=30m$), thus ensuring the long-distance measurement range volume.

2. LCD display:

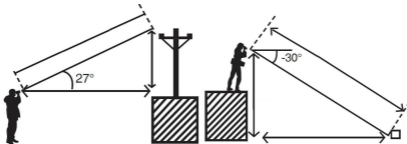


Model P and H: Press power button shortly, the distance value will display base on fog

◆“Angle finder” mode

1. Function Principle:

Adopt angle sensor to measure angle.



2. LCD display:



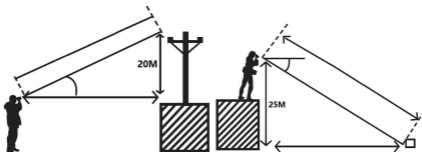
Model P: it do not have this mode

Model H: Press power button shortly, the distance value and angle value will display rotational

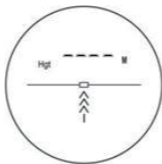
◆“Height finder” mode

1.Function Priciple:

Adopt Pythagorean theorem to caculate the height.



2. LCD display:

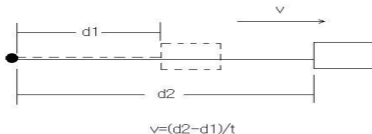


Model P: it do not have this mode

Model H: Press power button shortly, the distance value and height value will display rotational

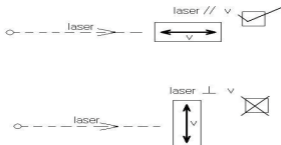
◆“Speed” mode

1. Function Principle:

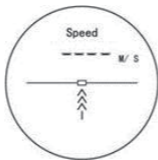


For moving objects, ranging twice. Two distance difference, divided by the time interval ranging sides, the speed of moving objects can be obtained.

2. Velocimetry method:



3. LCD display:




Model P and H: Target the moving object and press power button shortly, and keep on targeting the object till the speed value display on the screen.

◆ Low voltage alarm



When the battery voltage is too low, the low pattern has been shown to remind replace the battery.

NOTICE:

- the measuring range of the rangefinder could be influenced by the angle between the laser and targets. generally speaking, the measuring range is better when there is a smooth surface, bright color, big surface of targets, and a bigger angle between the laser and the target.
- users need to change to a new battery when “” displays. A low battery can affect accuracy. if you do not use the rangefinder for a long time, please take the battery out.
- Do not touch the eyepiece directly, in order to avoid damage. this device has been accurately aligned and

adjusted with precise equipment. Never disassemble it at random.

- If the external lens is stained, please clean it with the lens cloth. Do not use other materials when cleaning so as to prevent the coating from being damaged.
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- Collision or high pressure should be avoided when carrying about or operating.
- Keep the device in a dry, cool and airy place and avoid dust, direct sunshine and extreme change of temperature.
- If there is a problem with the device, send it to a professional department, and never disassemble it by yourselves.
- Never transmit the laser towards sun or strong light, so as to prevent the photosensitive element from damages.

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Warranty Card

1. We guarantee ONE years warranty for laser distance meter.

2. Warranty begins from purchase date and it is subject to the following conditions:

(1). Within warranty, we shall deal with complaints based on faulty equipment by repair, replacement of defective parts or replace an identical flawless product at our discretion.

(2). Declarations:

Following conditions are NOT included in warranty:

- I Open the equipment by tools without specifically permission
 - II The use of the equipment outside the state limits or improper handling
 - III The use of non original accessories
 - IV Serviced by unauthorized persons or workshops
 - V Obliterated Serial Number of equipment
- (3). Warranty card must be provided and please present your invoice when desired.
- (4). Repairing and replacing equipments must comply with ‘ Conditional Of Warranty ’ of manufacture.

Model No. _____

Data of Purchase _____

Signature _____



misuratorelaser

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