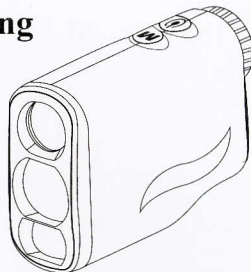# Laser rangefinder operating instructions(Pro)

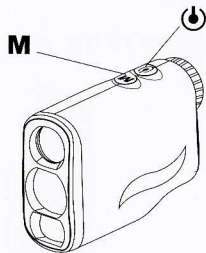# Laser rangefinder operating instructions(Pro)

Feature:
21mm Objective Lens
6x Magnification Power
7.2°View Angle
16mm Pupil Distance
Precision To +/-1 M
Maximum Range :
LW600PRO   600M
LW1000PRO 1000M
Closest distance :
LW600PRO   4M
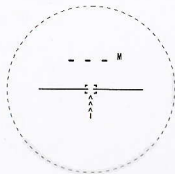LW1000PRO 5M
Speed range:0-300KM/H
3V Battery (CR2)
Waterproof

Size:
L：97mm(dose not include eyepiece)
    106mm（include eyepiece）
W：35mm
H：73mm（front）
    68mm（rear）
Weight：152g

1、The boot screen

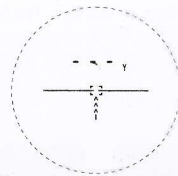Press ⏻ key to boot.
Boot default mode is "ranging"
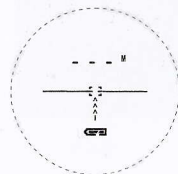

2

2、Unit conversion

Long press **M** button to switch the unit of distance, M and Y."ranging", "flagpole lock", "Golf distance correction", "fog" "Horizontal distance measurement","Vertical height measurement" and "speed" modes, you can long press **M** button to switch M、Y unit, the unit switches will be used in seven modes unified.In the "speed" mode, the unit of the measured value needs to be converted separately.
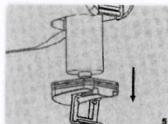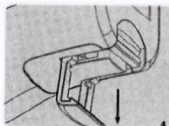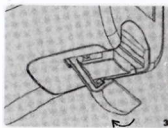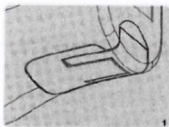
3、Low voltage alarm

3

When the the products battery voltage is too low, the low pattern has been shown to remind replace the battery.
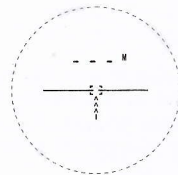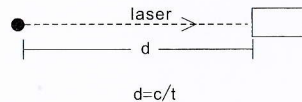
Battery Replacement indicate:

4、Mode Selection
Press **M** key in the "ranging", "flagpole lock","Golf distance correction", "fog" "Horizontal distance measurement","Vertical height measurement" and "speed" switch between.
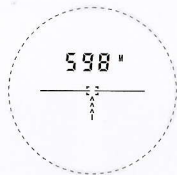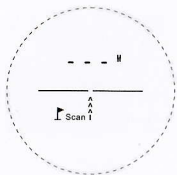
4-3 "Ranging "Mode

Principle:

$$d=c/t$$

Press ⏻ key to start ranging.
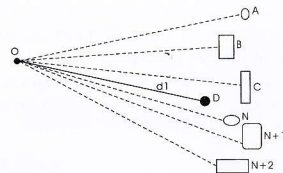
"Ranging" screen

598 "

4-2"flagpole lock" Mode

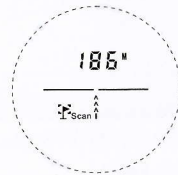- - - "

Scan

6

Principle:

In the flagpole Scan 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.
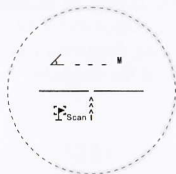The other goals were shielded behind the flagpole.

"flagpole lock" Screen

186"

Scan

7

When the flagpole Scan mode screen appears, press and hold ⏻ key to start the the flagpole scan function, the flag symbol in the screen box around the icon flashes. The ranging machine aiming point in the measured scan back and forth on both sides of the flagpole, the flagpole of the measured data to the data will be retained, and the screen banner around the box is no longer flashing, which means that the flagpole data is locked .
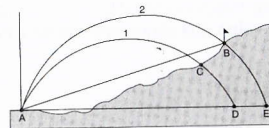
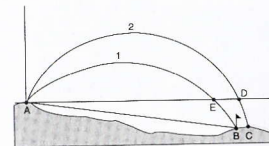4-3 "golf distance correction" mode :

Principle:

The measured distance values AB, the slope value is substituted into the equation in golf ball flight. Calculate the recommended distance.

The slope is positive, long distance shots.

1: Uncorrected parabola batting
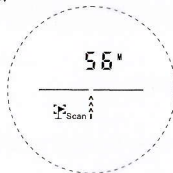2: The actual distance the ball parabola
Point B is the pole position

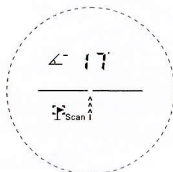**The slope is negative, the distance to be close to hitting.**

1: The actual distance the ball parabola
2: Uncorrected parabola batting
Point B is the pole position

press ⏻ key to start scanning flagpole ranging. After the measured distance values and flagpoles flagpole slope value, the trajectory can be calculated. Distance and slope value turns the display.
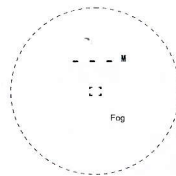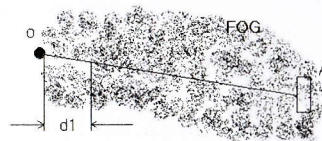
The calculated results show

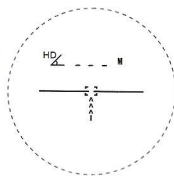

Slope value is displayed

4-4 "fog" Mode

Principle:

Fog mode screen appears, press ⏻ key ranging.
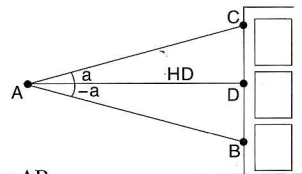Fog mode can handle the interference caused by fog.

Fog screen


```
368ᴹ
::
Fog
```

4-5 "horizontal distance measurement" Mode

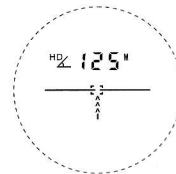```
HD∠ - - - ᴹ
```

12

Principle:



Measure distance: AC or AB
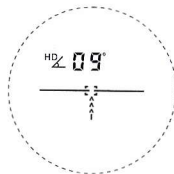Horizontal distance: AD
Press ⏻ key to start measuring the distance and slope. After obtaining measurements, calculates and displays the horizontal distance and measuring slope.
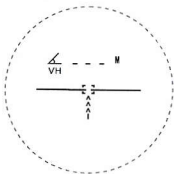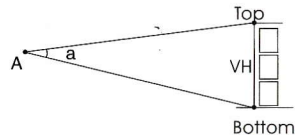
Horizontal distance



```
HD∠ 125ᴹ
```

13

Slope

4-6 "vertical height measurement" mode

Principle:

Measuring distance between two points (Bottom and Top) in the vertical direction, and the angle （a） between the two points, to calculate the vertical height between the two VH.

The aiming point is aligned at the bottom of the measured object, hold down the ⏻ key.
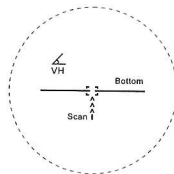
The screen appears "Scan" and "Bottom", and starts measuring a distance to the object at the bottom.

When the measured distance to the bottom, and then displays the "Scan" and "Top" to find top tips and altimetry,
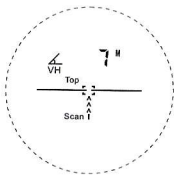
At this point the object from the start to the top, and continuously display the current point and the vertical height of the bottom.
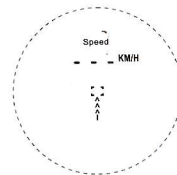
Found at the bottom

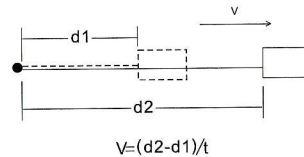Found at the top and Vertical height
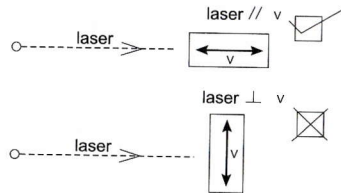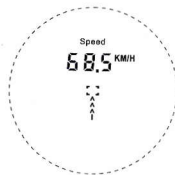

16

4-7 "speed" Mode
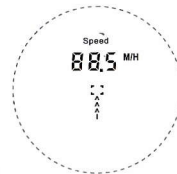

Principle:

$$V=(d2-d1)/t$$

17

Method:

In the speed mode, long press **M** button to switch KM / H and M / H.
Press (🔆) key to start the measurement speed.
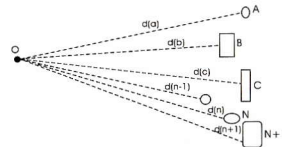
Kilometers Unit screen: Kilometers / hour

Speed
68.5 KM/H

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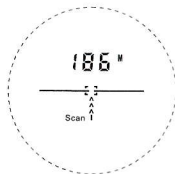Miles unit screen: miles / hour

Speed
88.5 M/H

4-7"scan" mode
Principle:

In scan mode, the laser will emit a continuous, each distance to be measured will be
displayed one by one.

19

In "ranging" mode, press and hold ⏻ key to activate the Scan mode.

```
    186 ᴹ
   ╌╌╌╌╌
    Scan
```

Automatically exit after 20 consecutive ranging.

NEW!!!
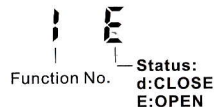
In our new products, customers can select the corresponding function according to the use environment.

User-defined functions:
1. Make sure the machine is turned off.
2. Hold down the **M** button, then hold the ⏻ button, the machine turned on, the display shows the word "FUN";

```
FUN
```

3.Press ⏻ key several times until the display shows the 1st function on / off status:

```
    I  E
```
Function No. | Status:
d:CLOSE
E:OPEN

Function NO. :
1) "flagpole lock"
2) "golf distance correction"
3) "fog"
4) "horizontal distance measurement"
5) "vertical height measurement"
6) "speed"

4. Release all buttons (before this you must ensure that the ⏻ key has been press and hold)
5. Press ⏻ key switch this function: (d=CLOSE E=OPEN)
6. Press **M** key to select the next function;
7. Hold down the ⏻ key and hold it shut down, exit the programming mode after completion;