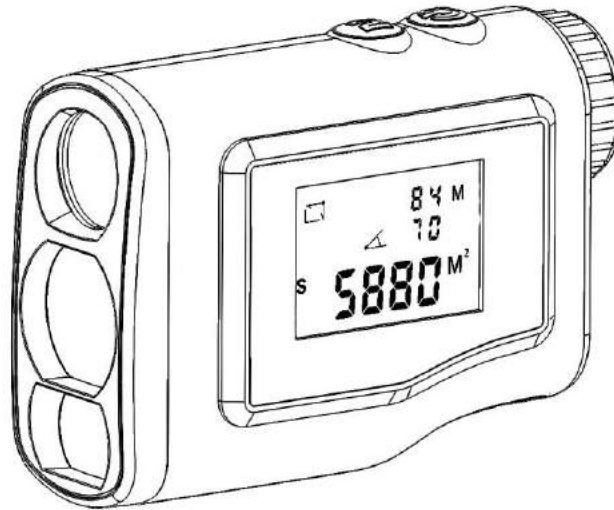


# Spot-On Digital/Laser RangeFinder 600

## Operating Instructions



### 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

3V Battery (CR2)

Waterproof

### Size:

L : 97mm(dose not include eyepiece)

106mm ( include eyepiece )

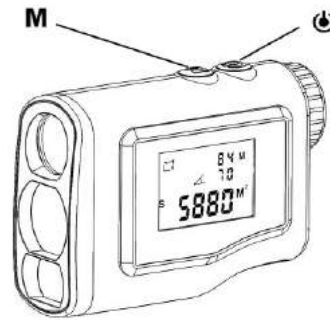
W : 39mm

H : 73mm ( front )

68mm ( rear )

1. The boot

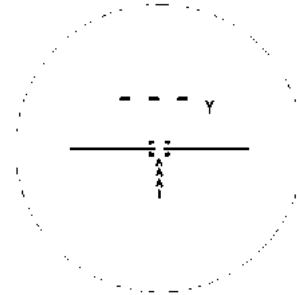
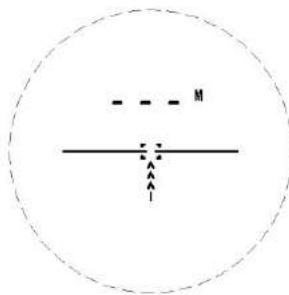
Press  key to boot.



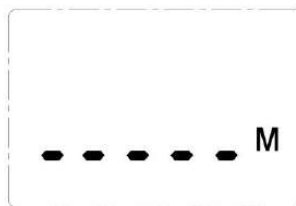
2. Unit conversion

Long press **M** button to switch the unit of distance, Y and M.

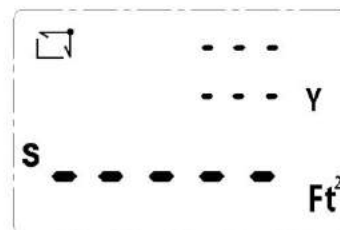
Internal Screen



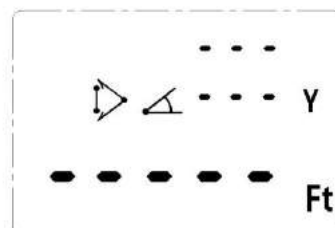
Side of the screen



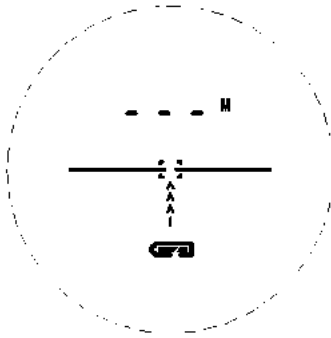
The area of imperial units



The height of imperial units

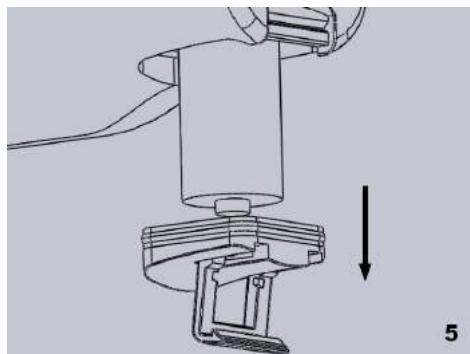
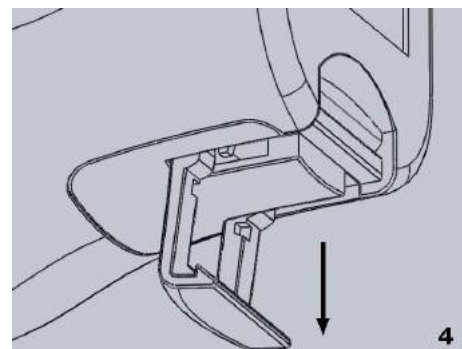
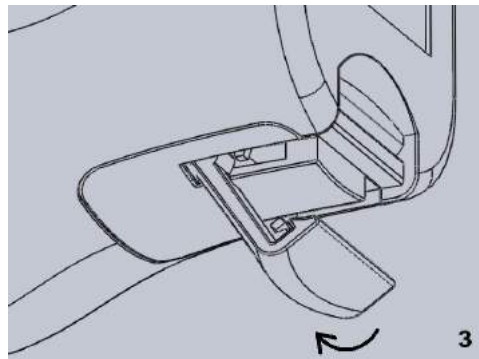
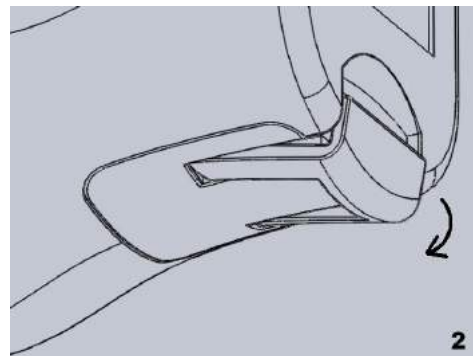
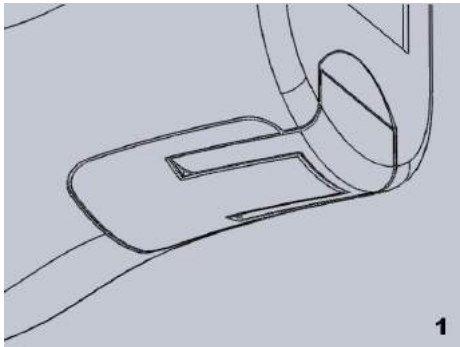


### 3.Low voltage alarm



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

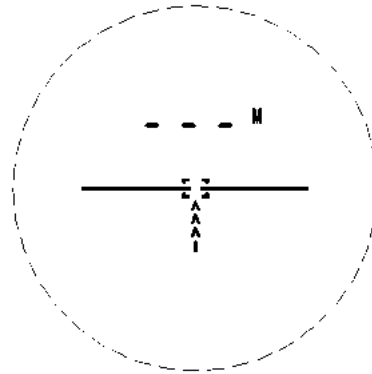
Battery Replacement indicate:



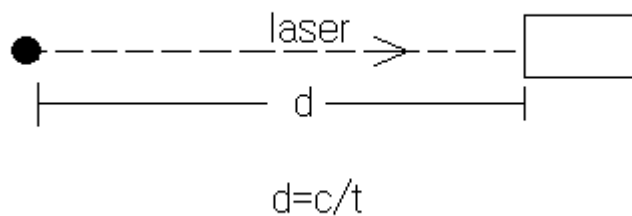
#### 4.Mode Selection

Press **M** key in the "ranging", "Rectangular area & Rectangular perimeter", "Circular area & Circumference", "Rectangular area & Rectangular perimeter with angle correction", "Circular area & Circumference with angle correction", "Horizontal distance", "Vertical height" and "Tilt angle" switch between.

##### 4-1. "Ranging" mode

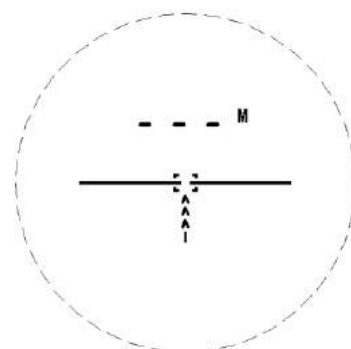


Principle:

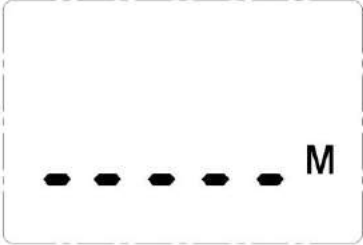



Press  key to boot.

Internal Screen

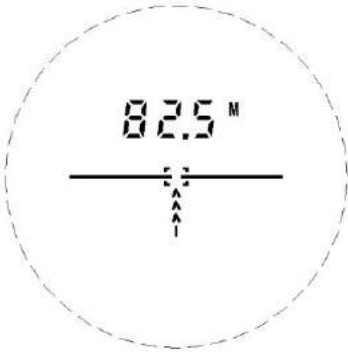


Side of the screen



Press  key to start ranging.

Internal Screen



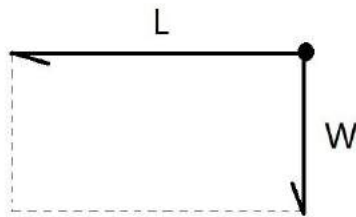
Side of the screen



Within a distance of 200 m resolution 0.5m.

## 4-2. Rectangular area & Rectangular perimeter

Principle:

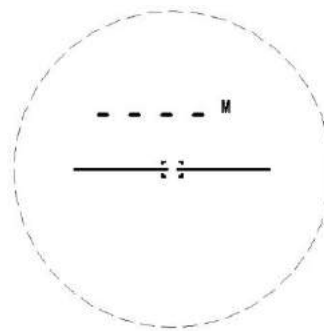


$$S = L * W$$

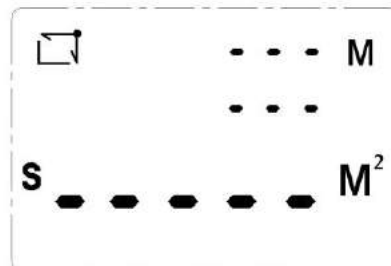
$$C = 2(L + W)$$

Measuring the length of two sides of the rectangle, calculate the area and perimeter of a rectangle.

Internal Screen



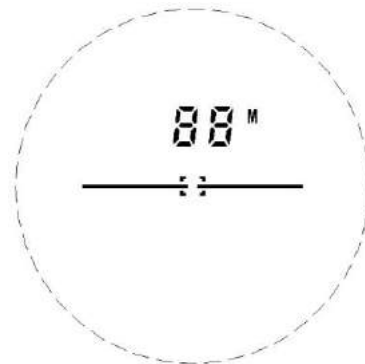
Side of the screen



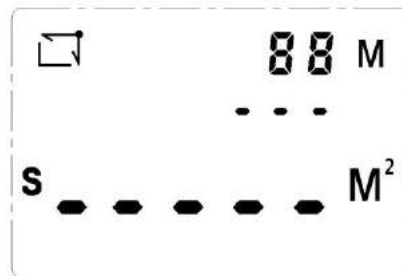
Press  key

Measure the length of a side.

Internal Screen

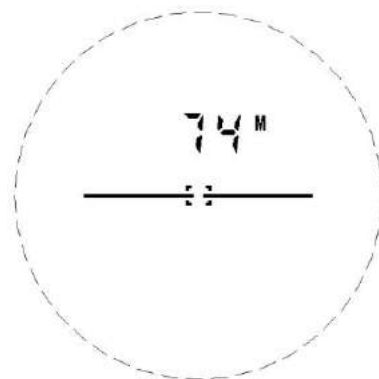


Side of the screen

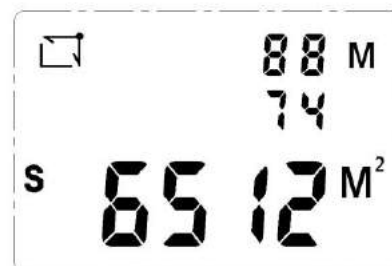


Press  key

Measure the length of another side



Rectangular area

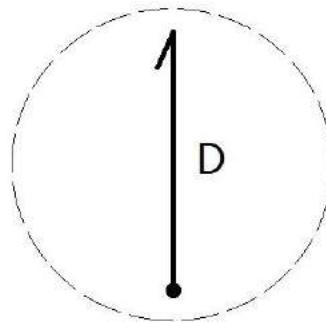


Rectangular perimeter



#### 4-3. Circular area & Circumference

Principle:

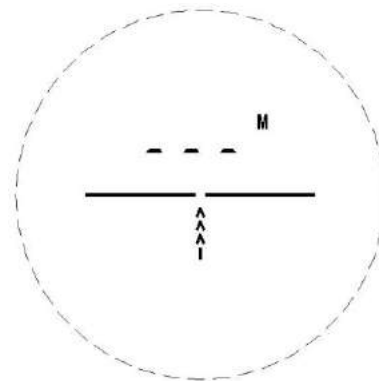


$$S = \pi (D/2)^2$$

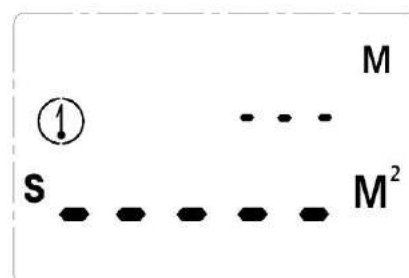
$$C = \pi D$$

By measuring the diameter of the circle, calculate the area and perimeter of a circle.

Internal Screen



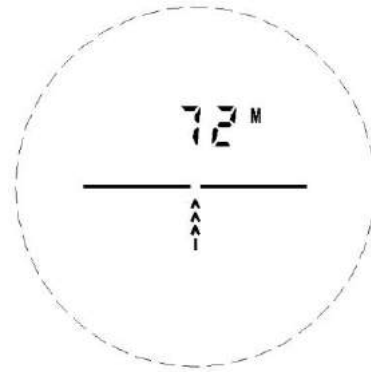
Side of the screen





Press  key

Measure the diameter



Circular area

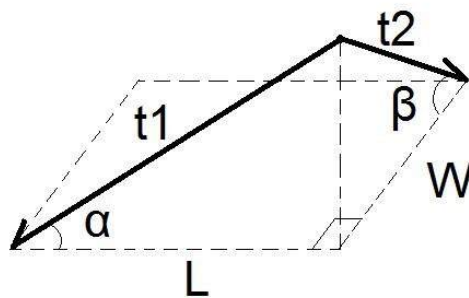


Circumference



#### 4-4. Rectangular area & Rectangular perimeter with angle correction

Principle:

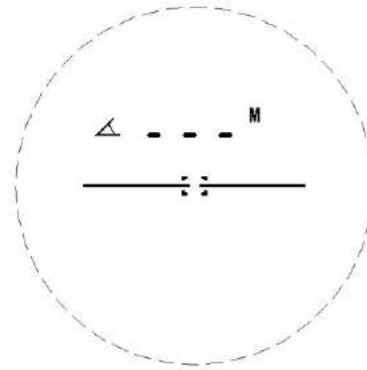


$$L = t_1 \cos \alpha$$
$$W = t_2 \cos \beta$$
$$S = L * W$$
$$C = 2(L + W)$$

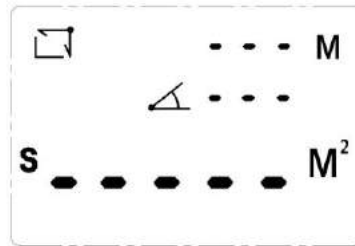
Measuring the length of two sides of the rectangle, calculate the area and perimeter of a rectangle.

Tilt angle will be involved in the calculation.

Internal Screen



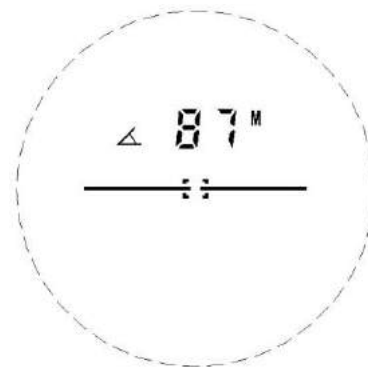
Side of the screen



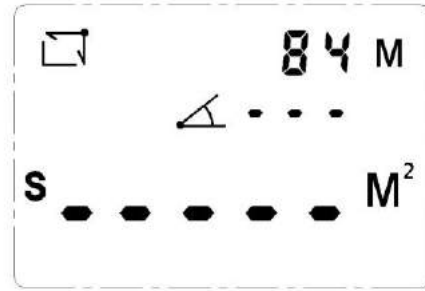
Press  key

Measure the length of a side and tilt.

Internal Screen

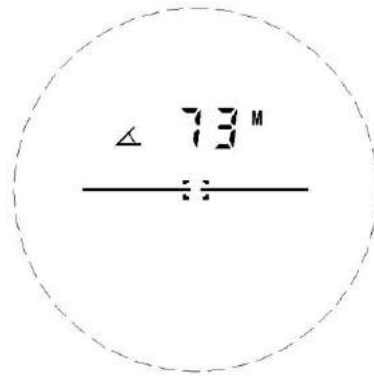


Side of the screen

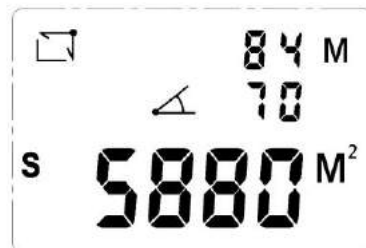


Press  key

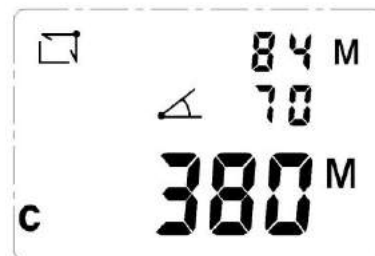
Measure the length of another side and tilt.



Rectangular area

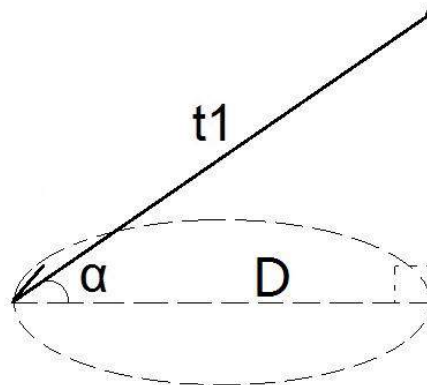


Rectangular perimeter



#### 4-5. Circular area & Circumference with angle correction

Principle:



$$D = t_1 \cos \alpha$$

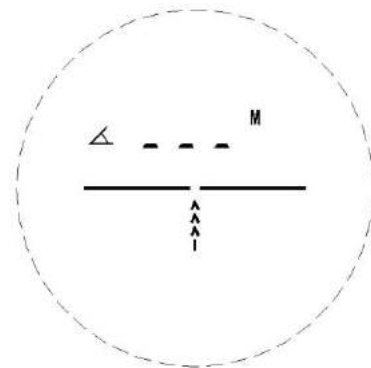
$$S = \pi (D/2)^2$$

$$C = \pi D$$

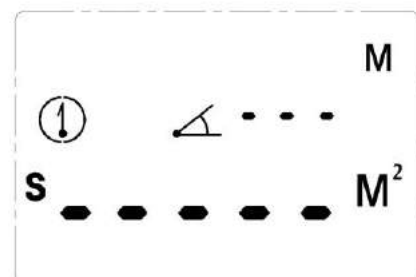
By measuring the diameter of the circle, calculate the area and perimeter of a circle.

Tilt angle will be involved in the calculation.

Internal Screen

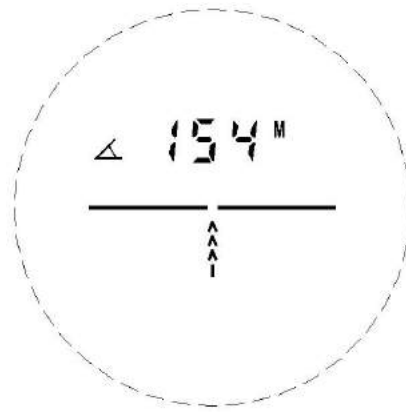


Side of the screen

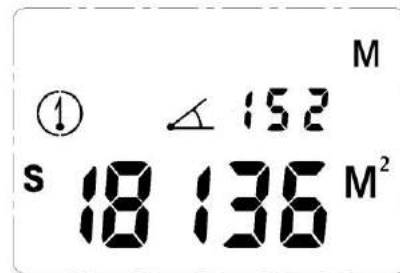


Press  key

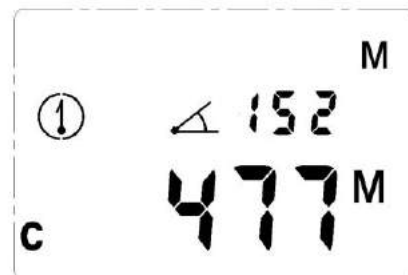
Measure the diameter and tilt



Circular area

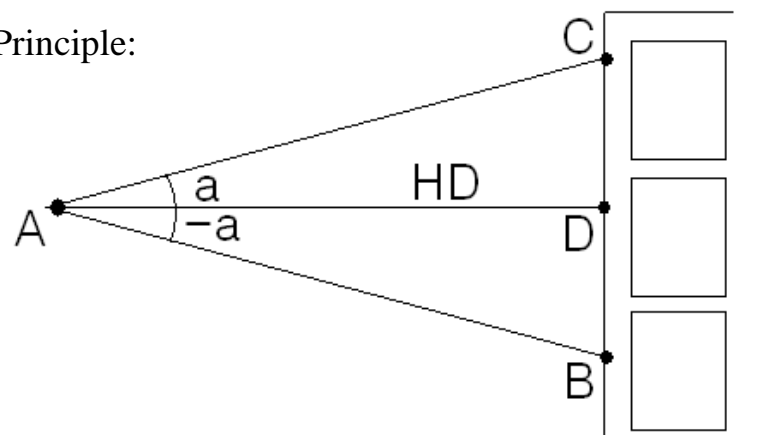


Circumference



#### 4-6. Horizontal distance

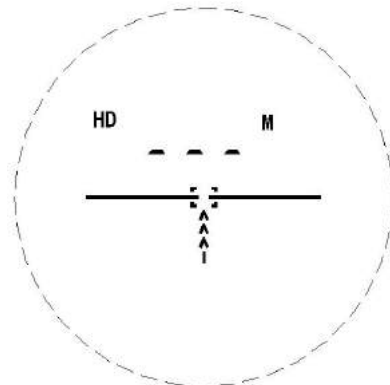
Principle:



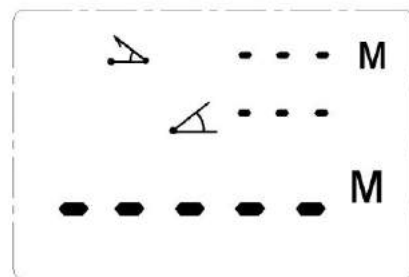
Measure distance: AC or AB

Horizontal distance: AD

Internal Screen



Side of the screen

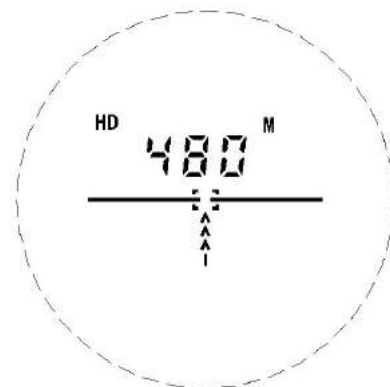


Press  key

Measure the actual distance and tilt.

Internal Screen

Display measure distance



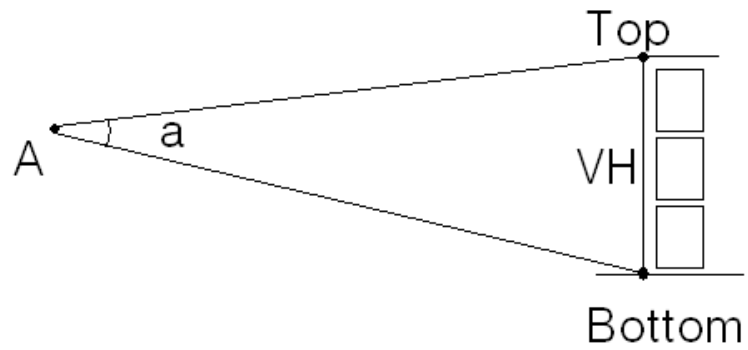
Side of the screen

Display measure distance and horizontal distance



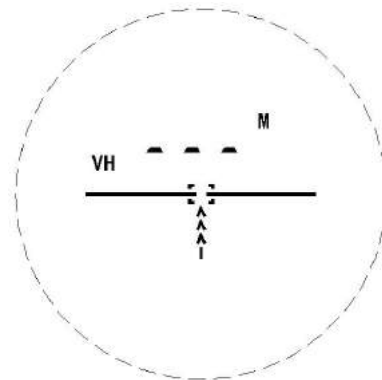
4-7. Vertical height

Principle:

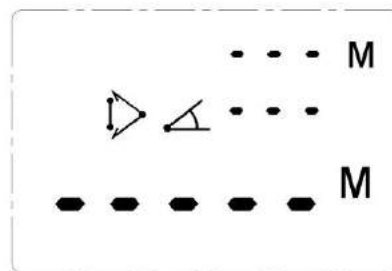


Measuring distance between two points (Bottom and Top) in the vertical direction, and the angle (a) between the two points, to calculate the vertical height between the two VH.

Internal Screen



Side of the screen

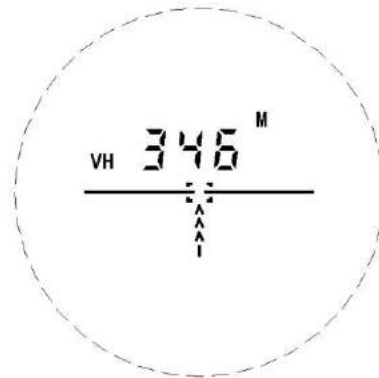


Press  key

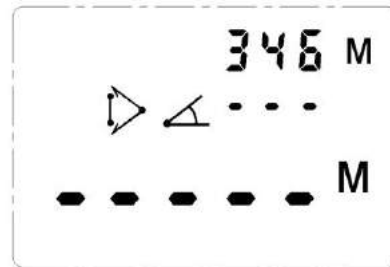
Measured the distance between the first point.

Internal Screen

first point



Side of the screen

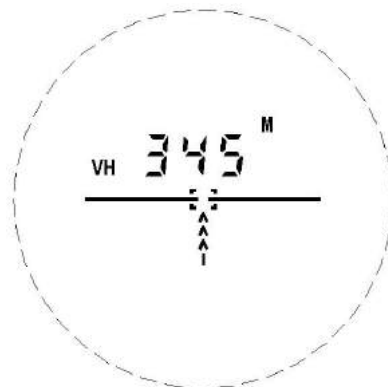


Press  key again

Measured the distance between the second point and tilt, calculate the vertical height.

Internal Screen

second point



Side of the screen

Two point distance and

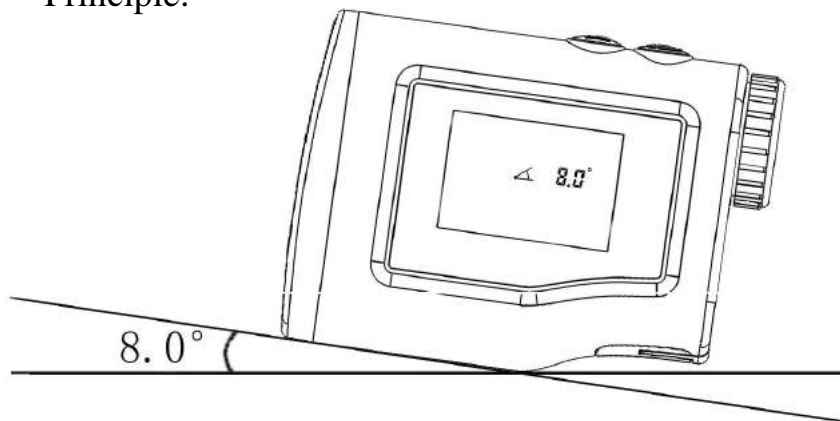
vertical height





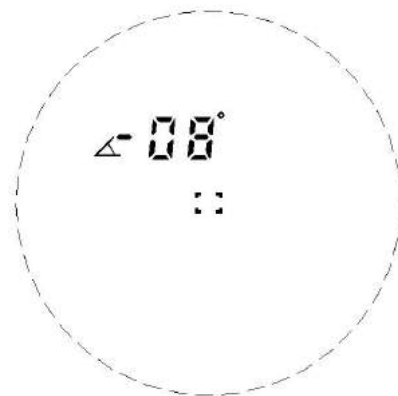
#### 4-8. Tilt angle

Principle:

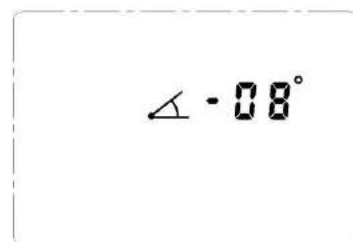


Measure the angle between the laser rangefinder and the horizontal plane.

Internal Screen



Side of the screen

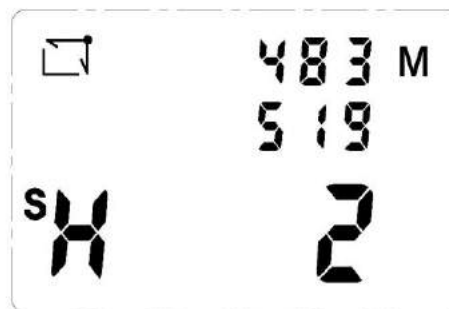


5. About the area of measurement, big data show.

In the area of measurement, a distance of over 320 meters, the area will be more than 99,999 square meters, the display area will be overrun.

In this case, the data display mode as follows:

First appeared high byte



Then display the low byte



Side length1: 483m

Side length 2: 519m

Area: 250677 m<sup>2</sup>