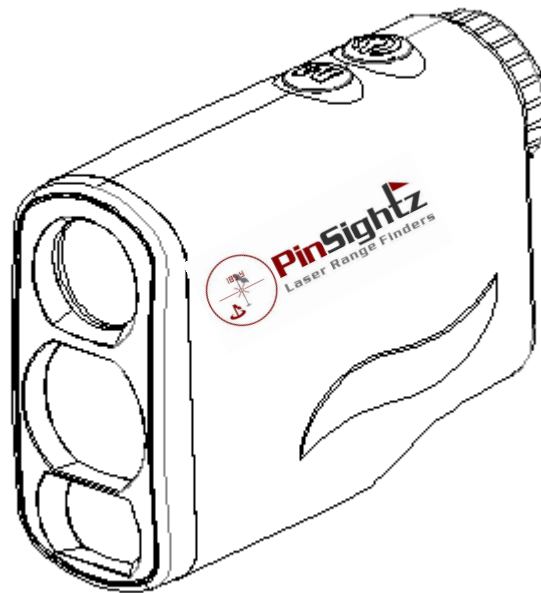




# PinSightz

Laser Range Finders

## OPERATING INSTRUCTIONS

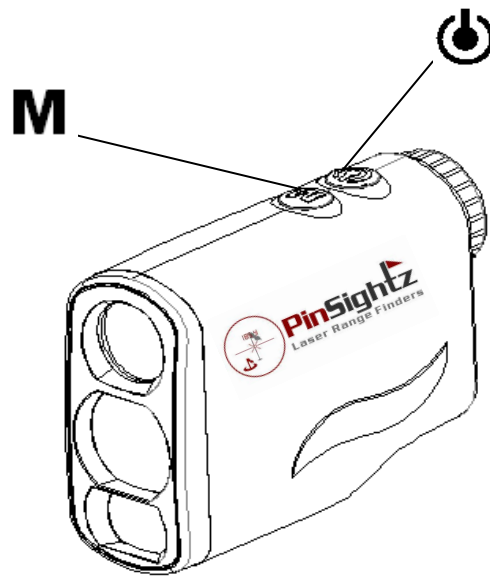


### Features:


21mm Objective Lens  
6x Magnification Power  
7.2°View Angle  
16mm Pupil Distance  
Precision To +/-1 M  
Maximum Range :  
    CM4949PRO 600M  
Closest distance :  
    CM4949PRO 4M  
Speed range:0-300KM/H  
3V Battery (CR2)  
Waterproof

### Size:

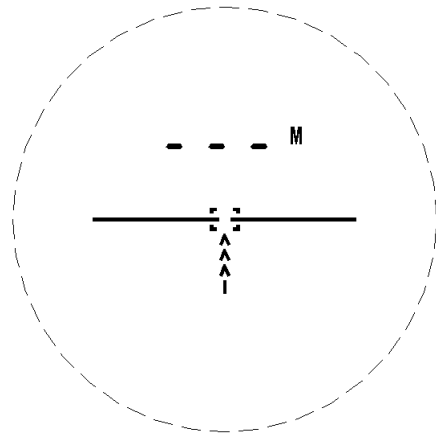
L : 97mm (does not include eyepiece)  
    106mm (includes eyepiece)  
W : 35mm  
H : 73mm (front)  
    68mm (rear)  
Weight: 5.4 oz



1. The boot screen.

Press  to turn on the rangefinder.

The default mode is “ranging”.



2. Press **M** (mode) to select from the following modes:

2-1 Ranging

2-5 Horizontal Distance Measurement

2-2 Flagpole Lock

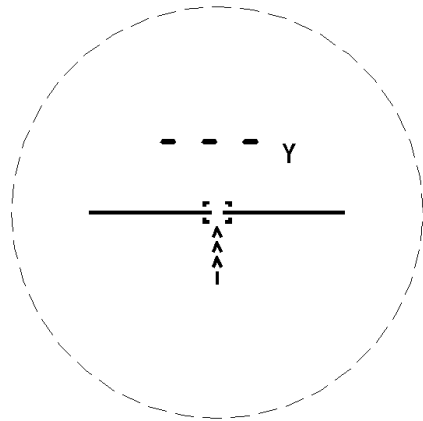
2-6 Vertical Height Measurement

2-3 Golf Distance Correction

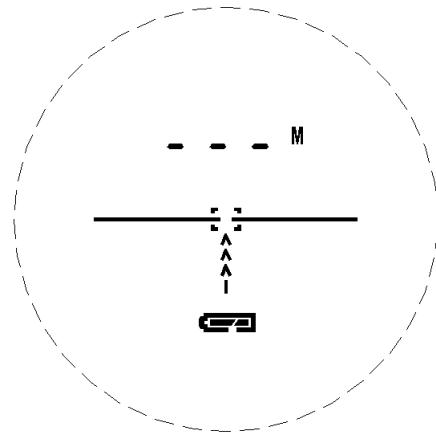
2-7 Speed

2-4 Fog

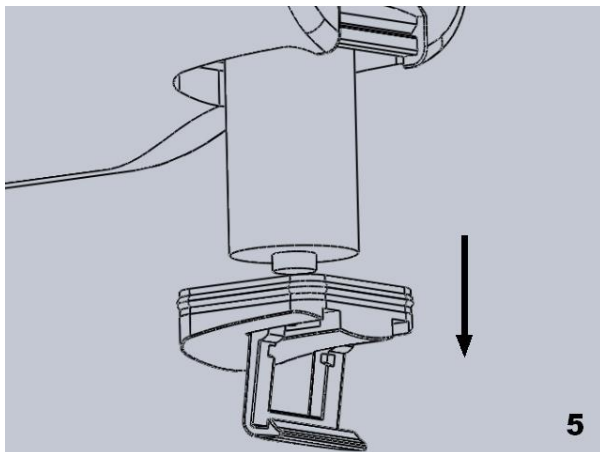
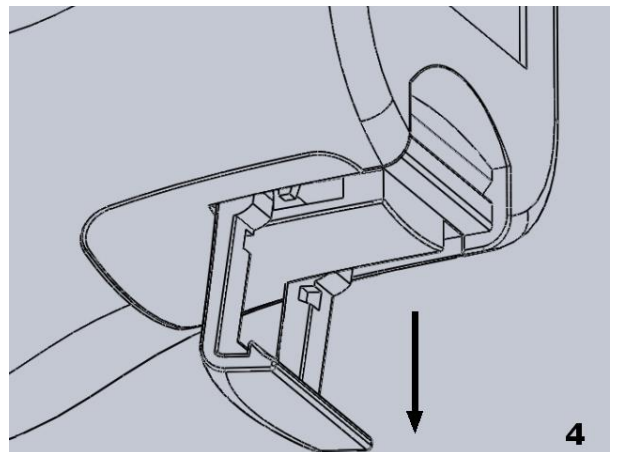
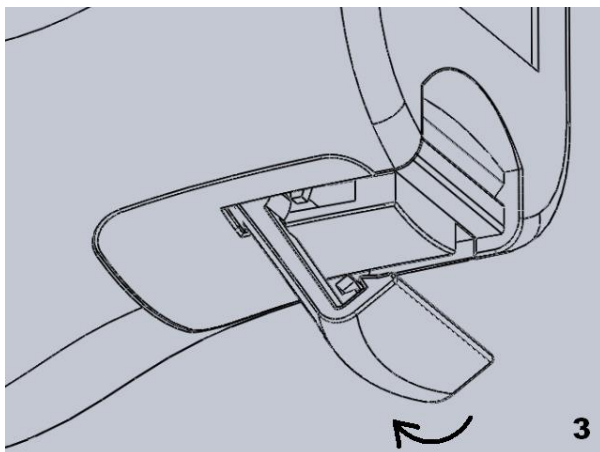
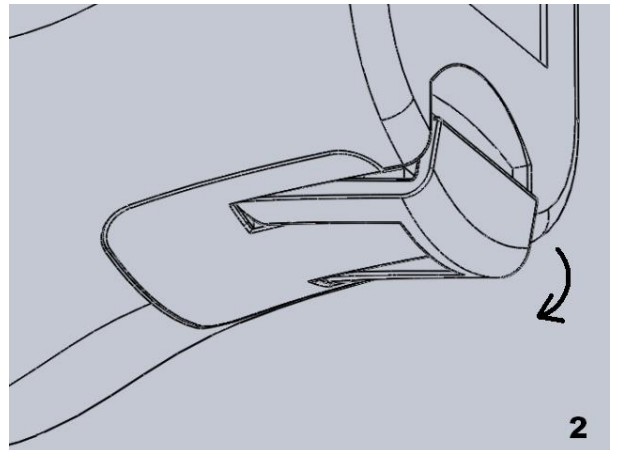
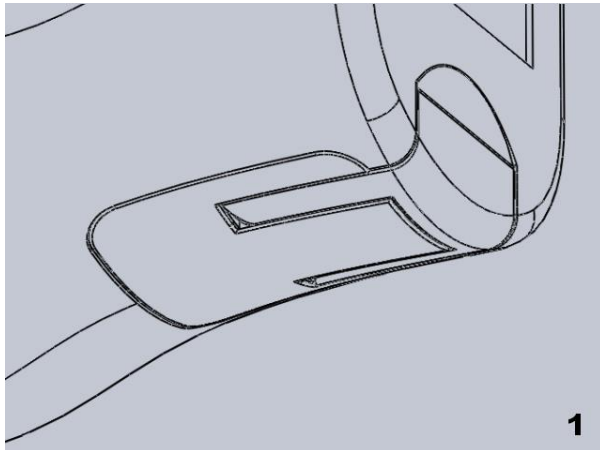
3. After selecting the mode, hold down **M** to select the desired unit of distance (meters/yards).



4. A “low battery” symbol will appear when the battery voltage is low. The rangefinder will soon need battery replacement.

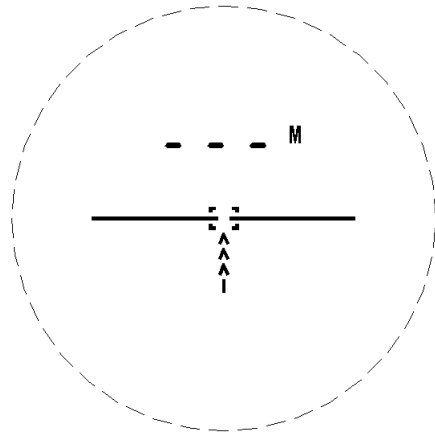


Battery Replacement:

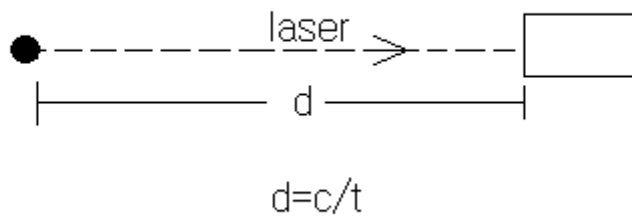


2-1 RANGING MODE:

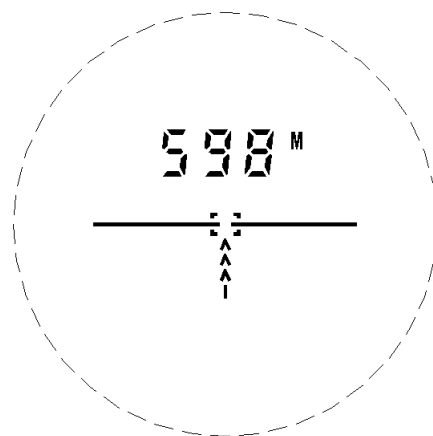
Press **M** until you reach the screen on the right.



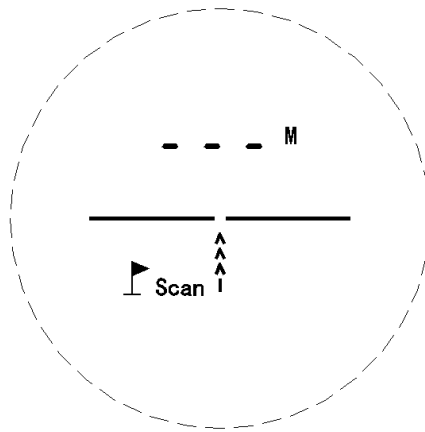
Principle:



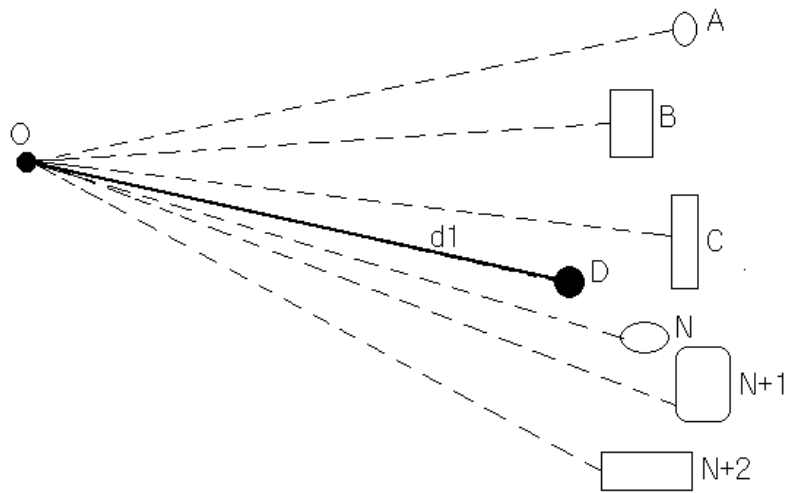
Press  button to start ranging.



2-2 FLAGPOLE LOCK

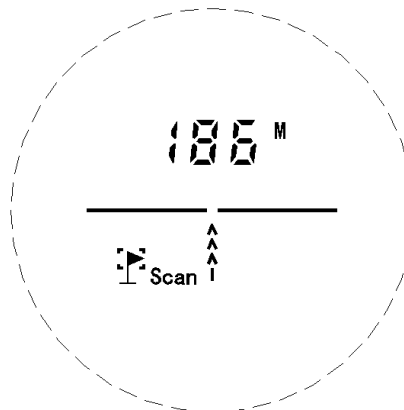



Principle:



In this mode, the point D may be isolated from several points in the background, while keeping only the distance  $d_1$  to the point, to achieve the automatic locking flagpole distance. The other goals are shielded behind the flagpole.


“Flagpole Lock” screen

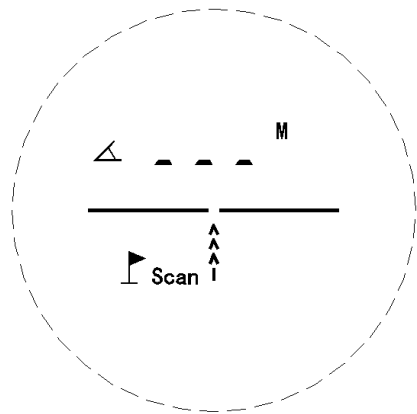


Select the “Flagpole Lock” screen. Aim the device at the flagpole, ensuring that the pole is in the center of the screen, and lined up with the vertical arrows. Press and hold the power button  to start the flagpole scan function. A box will appear in the center of the screen. When the box begins to flash, and a second box appears around the flag symbol, the flagpole distance has been found. The measurement will appear in top of the screen.

### 2-3 GOLF DISTANCE CORRECTION:

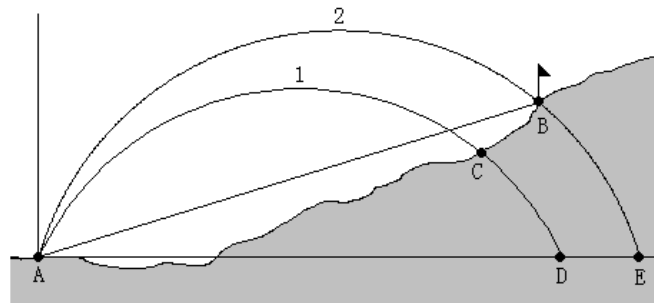
Press the mode button until the “Golf Distance Correction” screen appears.

Press the power button  to start flagpole scanning. The distance to the flagpole appears, followed by the slope from the rangefinder to the flagpole. The trajectory can then be calculated using these two values.



Principle: Distance and slope will affect flight calculations.

### A positive (uphill) slope



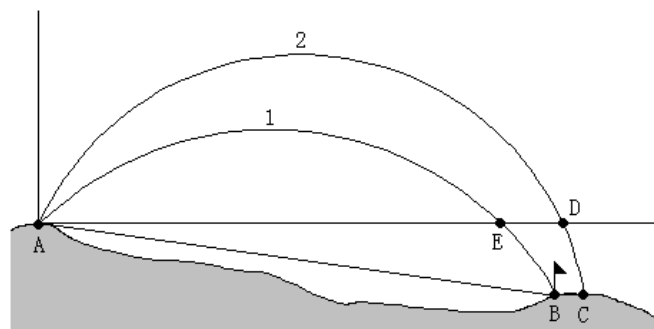
1: Golf ball flight path, without distance correction

2: Golf ball flight path, with distance correction

Point B is the pole position. User must account for the slope to correctly determine the distance needed to reach the pole.

With a positive slope, the arc should be greater than when on a horizontal plane.

### A negative (downhill) slope



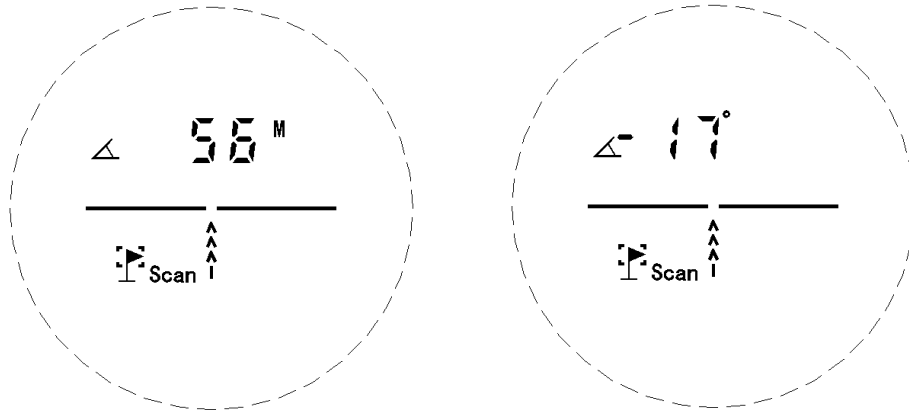
1: Golf ball flight path, with distance correction

2: Golf ball flight path, without distance correction

Point B is the pole position. With a negative slope, the arc should be less than when on a horizontal plane.




The calculated results show:

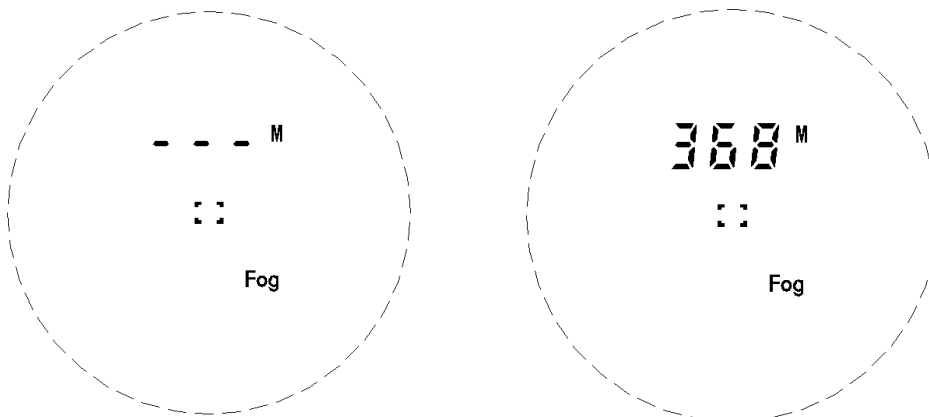


2-4 FOG:

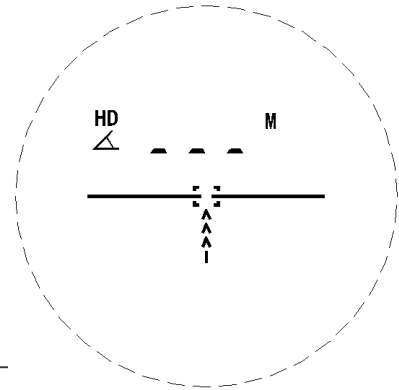
Press the mode button **M** until the “Fog” mode screen appears.

Press the power button  to start ranging. The measurement will appear at the top of the screen once it is found.

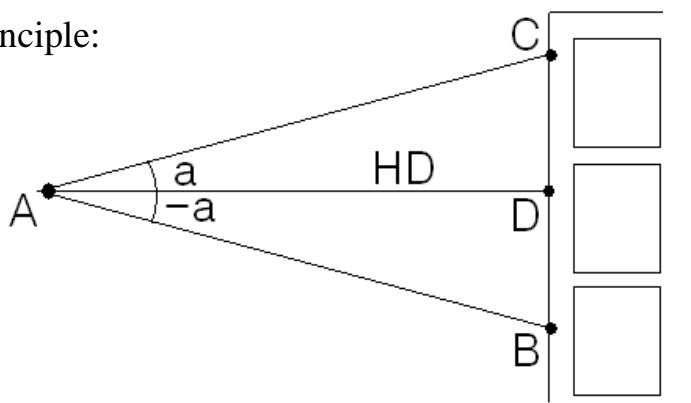
Principle: Fog mode can handle the interference caused by fog.



## 2-5 HORIZONTAL DISTANCE MEASUREMENT




Principle:

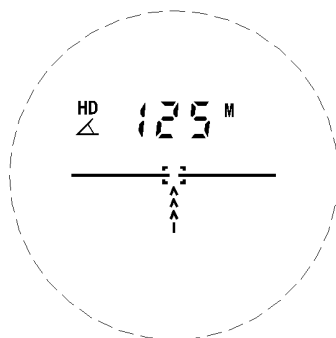


Measure distance: AC or AB

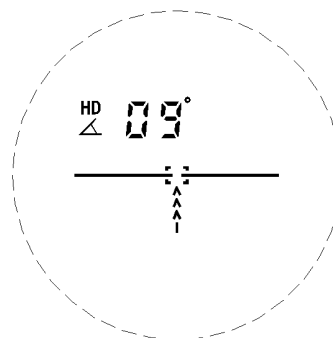
Horizontal distance: AD

Press the power button  to start measuring the distance and slope.

The rangefinder will calculate and displays the horizontal distance and measuring slope.



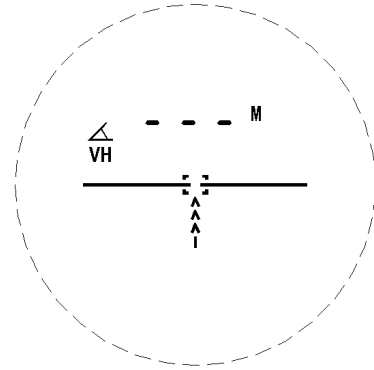
Horizontal distance



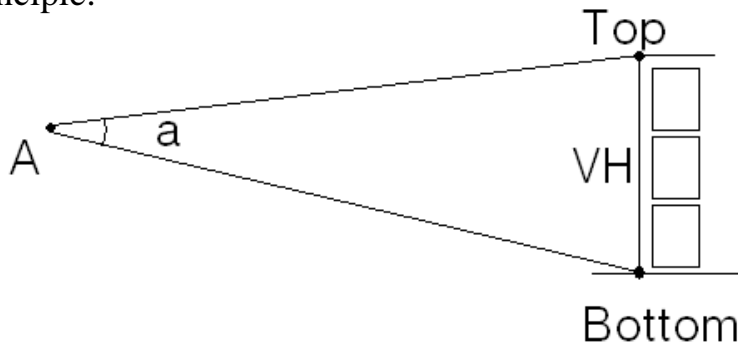
Slope


## 2-6 VERTICAL HEIGHT MEASUREMENT

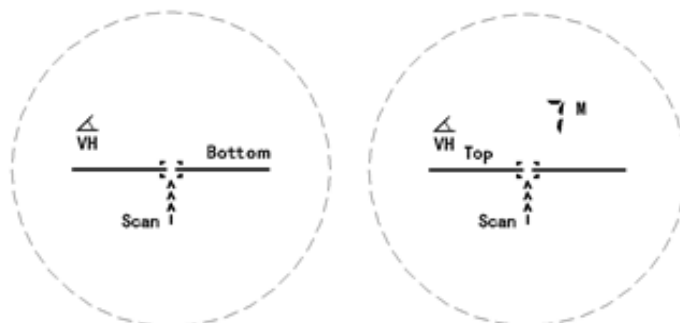
The rangefinder measures the distance between two vertical points (Top and Bottom), angle (a) between those points, to calculate the vertical height (VH).



Principle:



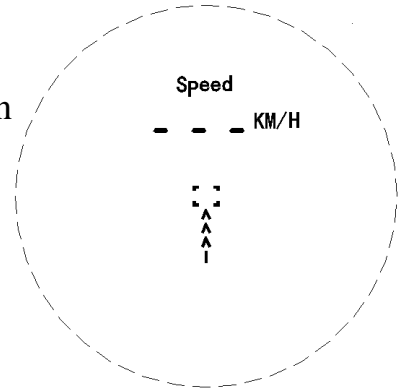
Once the aiming point is aligned at the bottom of the measured object, hold down the power button . "Scan" and "Bottom" appear on the screen, and the measurement to the bottom is found. When the screen displays "Top", aim the center box at the top point you wish to measure. The vertical height measurement will display once both points are measured and calculations are complete.



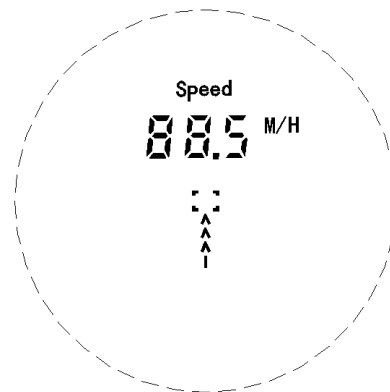
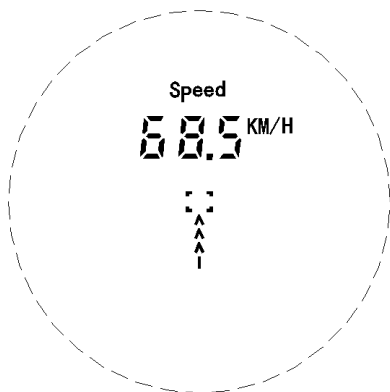
## 2-7 SPEED

Press the mode button until the speed mode screen is selected. Hold down the mode button to select the desired unit of measurement:

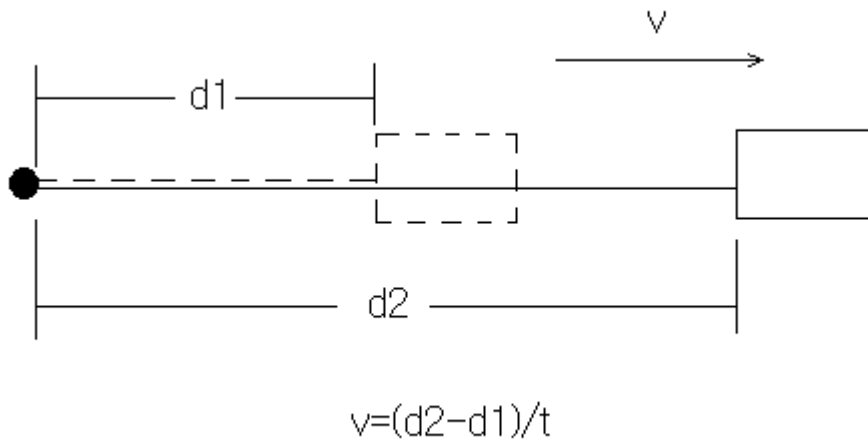
- Kilometers per hour (KM/H)
- Miles per hour (M/H)




Press the power button  to measure the speed.



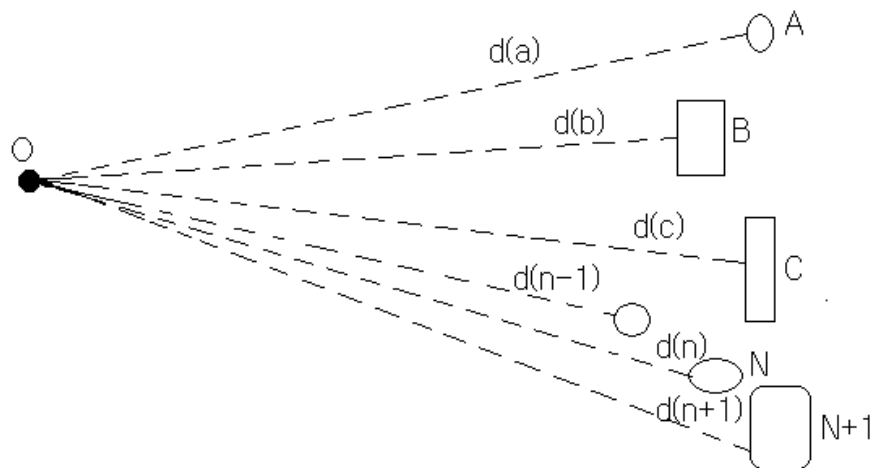
Principle:



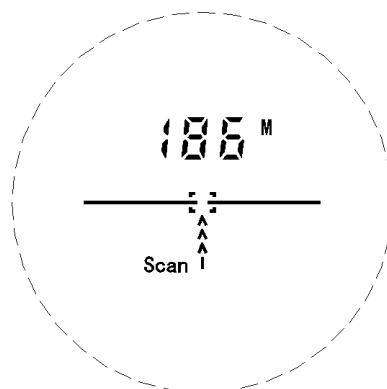
## SCAN MODE

In ranging mode, press and hold the power button  to activate the scan mode. Each distance to be measured will be displayed, one by one. The screen will automatically exit after 20 consecutive points are measured.

Principle:



Scan Mode Screen





## Warranty Registration

Registering your new range finder is quick and easy. It is important that you register your PinSightz product as soon as possible for your 1 year warranty.

Simply go to [www.pinsightz.com](http://www.pinsightz.com) and fill in the required information.