Code / Items	Rxiry 850	Rxiry XR1200	Rxiry XR2000	Rxiry XR1800C
Picture				
Max Range to Non-Reflective Targets	850M	1200M	2000M	1800M
Max Range to Reflective Targets	1200M	2000M	2600M	2200M
Distance Accuracy to Typical Targets	±50cm	±30cm	±30cm	±30cm
Distance Accuracy to Very Distant & Weak Targets	±80cm to 1M	±50cm to 1M	±50cm to 1M	±50cm to 1M
Measure model		VD ML HD ML HT HD HT HD/SD VD		VD ML HD ML HT HD HT HD/SD VD SD ML AZ
Inclination Accuracy	±0.5° Typical	±0.25° Typical	±0.25° Typical	±0.25° Typical
Measures Azimuth with TruVector Compass Technology	NO	NO	NO	Yes
Azimuth Accuracy	/	/	/	±1° Typical
RS232 Serial Com Port	Yes	Yes	Yes	Yes
Bluetooth® Com Port	NO	Android	Android	Android
Scope Magnification / In-Scope Display Type	7X / LCD	7X / LCD	7X / LCD	7X / LCD
Battery Type (8 hrs. of continuous use)	CR123A	CR123A	CR123A	CR123A
Waterproof / Environmental	Yes / IP56	Yes / IP56	Yes / IP56	Yes / IP56
Temperature	-20° to 60° C (-4° to 140° F)	-20° to 60° C (-4° to 140° F)	-20° to 60° C (-4° to 140° F)	-20° to 60° C (-4° to 140° F)

Rxiry

Wisdom and quality measurement

New design concept, software is easy and convenient. Related display of the same type of data, horizontal distance(HD), straight line distance, single point height difference and elevation angle can be got by one key press. Measuring from 0 meter with no blind area, 0.1 meter resolution, performance and accuracy for different environment is enough for your requirement. Wisdom and quality measurement comes from Rxiry.

0.1m	measuring from 0 meter	±0.3m	IP56
0.1meter resolution	no blind side	high accuracy	IP grade

Efficient measuring experience

Rxiry XR series height measuring can be used on: 2 points height measuring(construction), 3 points height measuring(trees), Height difference between any two points (applicable to cable height). The distance measurement is to simplify the measurement of the direct data between the two front targets in the same vertical plane.

HT   HD HT   VD ML
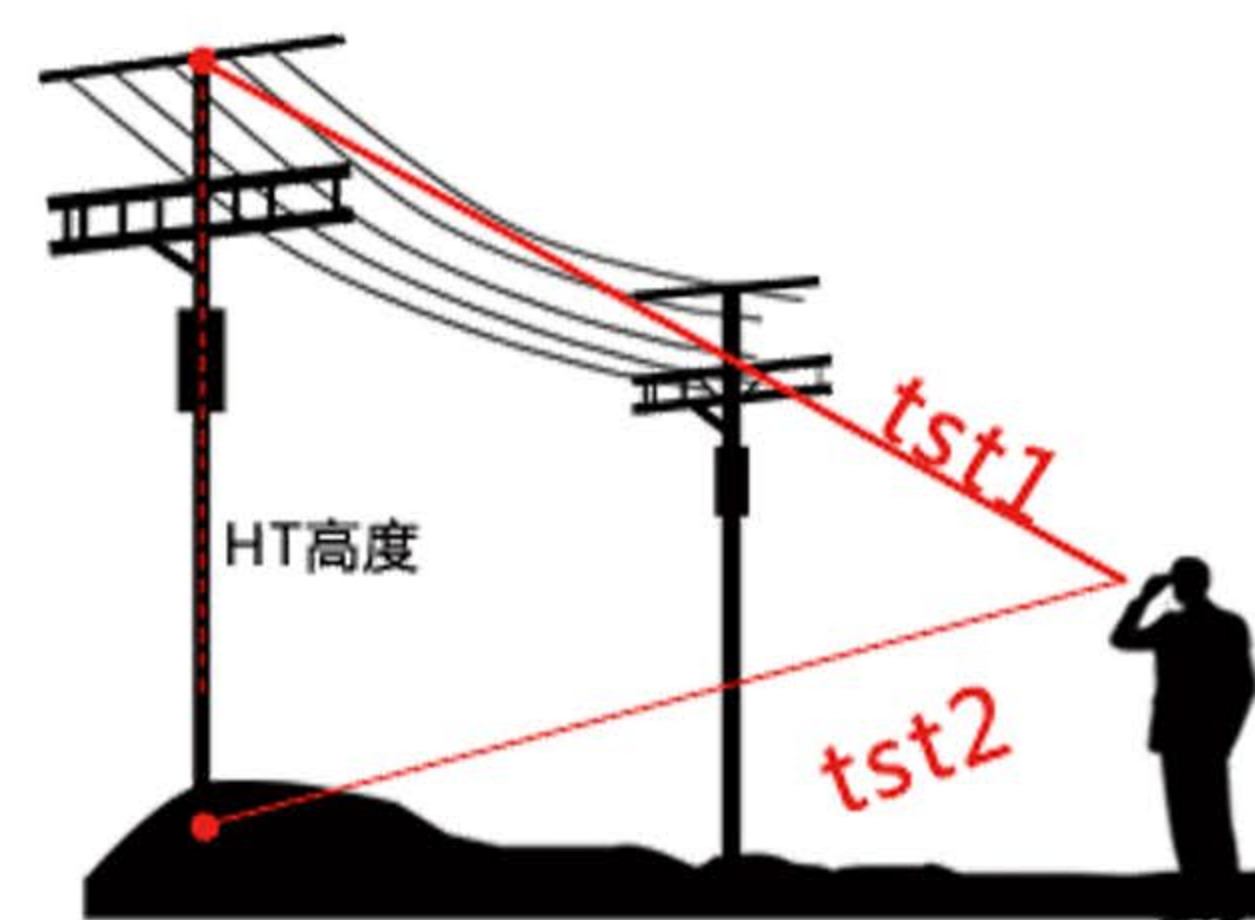
Focusing on quality – IP 56 grade protection

Rxiry insists on craftsmanship so as to get IP56 grade protection. Strict control on details so as to protect inside circuit optical system, to adapt to all kinds of harsh environments and weather.

Dust proof   water proof   drop proof

Practical eyepiece structure

The separate diopter condition ring is separated from the eyepiece, which is more convenient for users who wear glasses and users who do not wear glasses. It provides a variety of eyepiece telescopic distances.

2 options of data transfer

In order to meet different customer data transfer requirement, XR series(except XR850) equip with Bluetooth 4.0 and 232 transmission interface. For all possible requirement you may need, we take it into consideration.
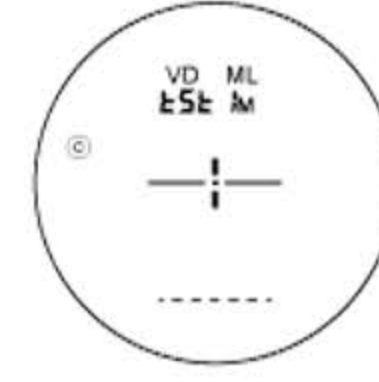
Bluetooth 4.0   232 transmission interface
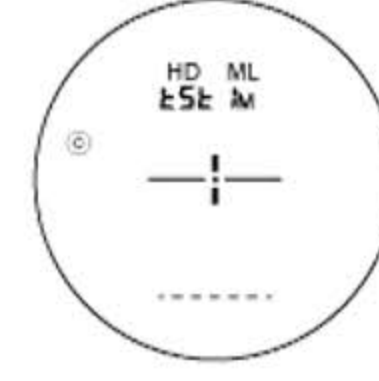
VD ML mode (2 points height difference measuring mode)

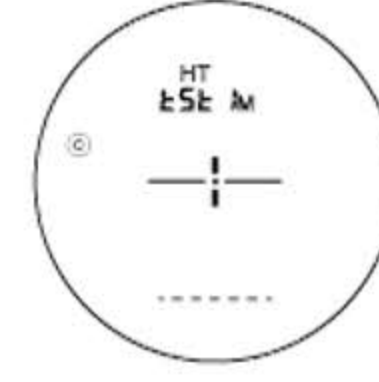Apply to 2 target points can be seen. Laser can reach 2 target points.

HD ML mode (vertical 2 points horizontal distance mode)

Apply to 2 target points can be seen. Laser can reach 2 target points.
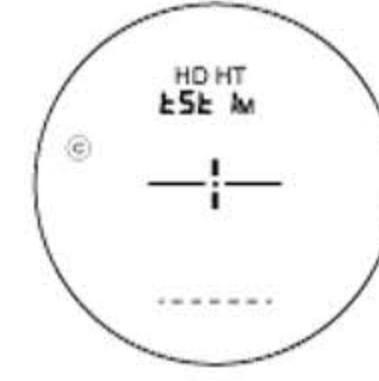
HT mode (2 points height measuring mode)

Apply to first target point can be seen, laser can reach first target point, like house, water tower, high-voltage tower, wire pole and so on.
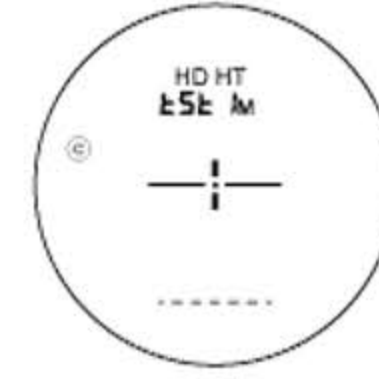
HD HT mode (3 points height measuring mode)

Apply to target top and bottom can't be seen, laser can't reach, like tree height.

HD/SD mode (horizontal distance/ slope distance mode)

This mode can show target point horizontal distance and slope distance.
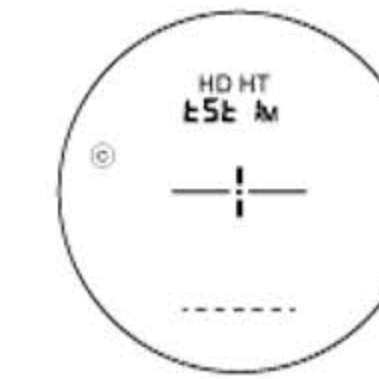
VD mode (Vertical distance mode)

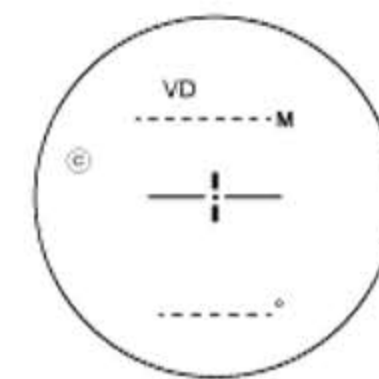This mode can show target point vertical distance and angle of inclination.
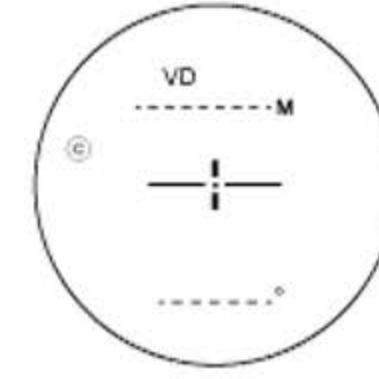
SD ML mode(Oblique distance or straight-line distance mode between any two points in space)

Apply to two points can be seen, laser can reach two points.

AZ mode(Azimuth mode)

This function mode only displays the azimuth angle value of the measured target point.

System menu setting

Long press ● button to enter system menu setting. Keep pressing ● button can choose different system menu setting. After finish setting, press ● button to confirm setting and return to measuring interface.
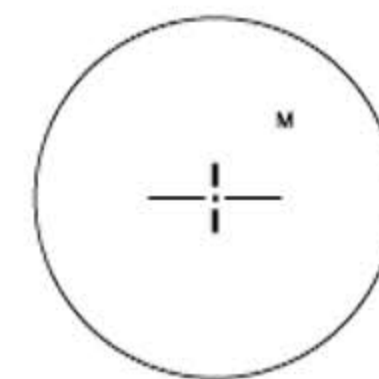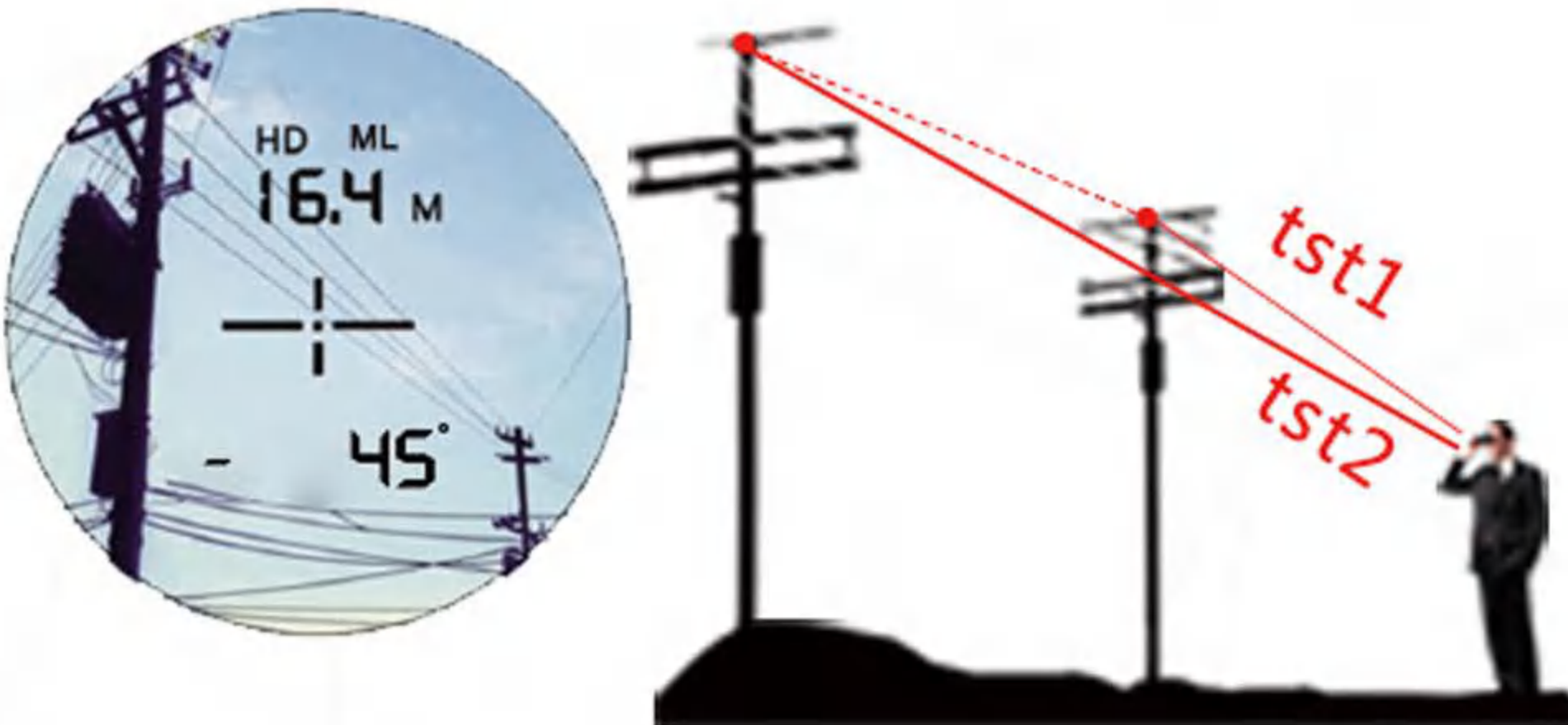
Rxiry reset method

Power off, long press R button for 10 seconds until screen show this icon, release R button to finish initialization. (Please use this function when the inclination angle cannot be corrected or the menu setting is confusing)
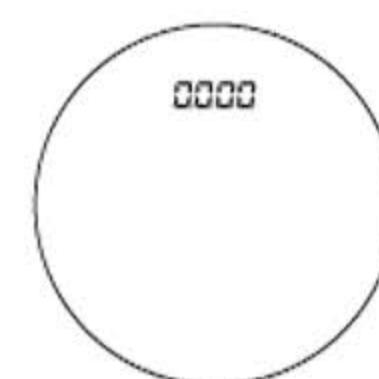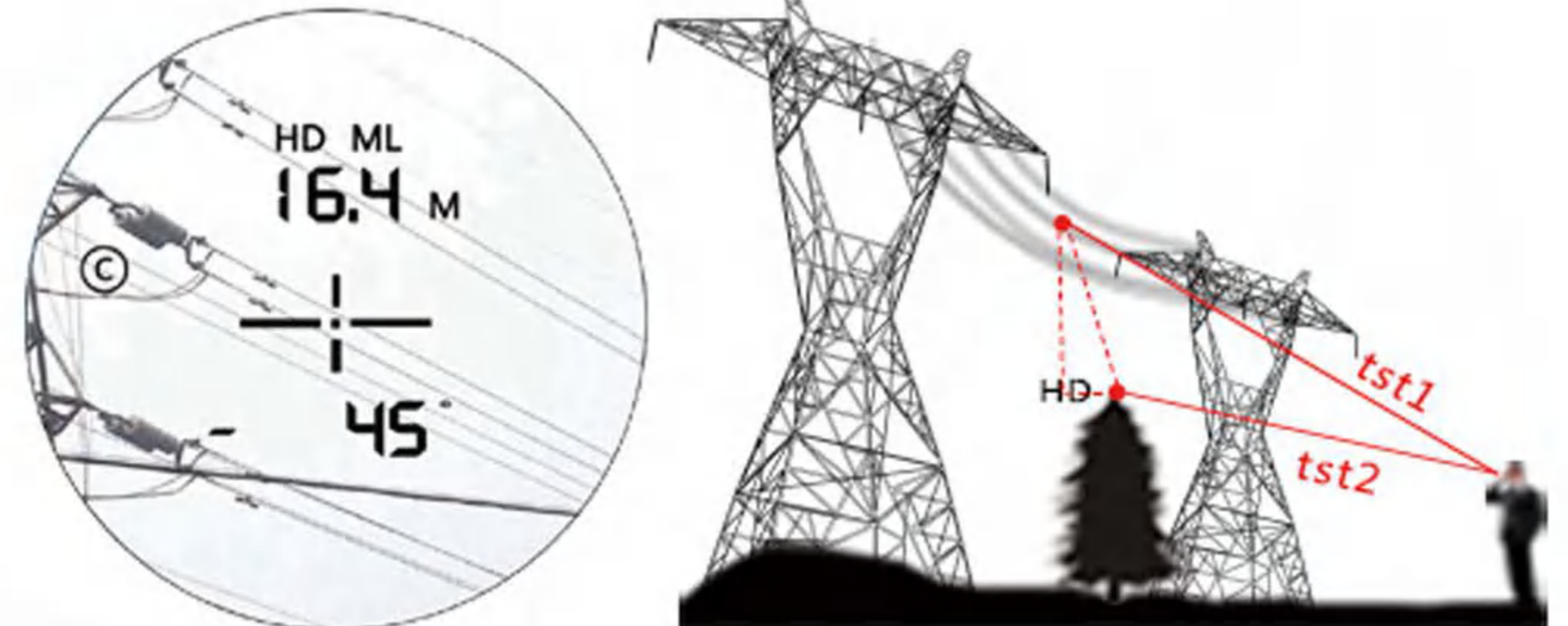
# ELECTRIC POWER APPLICATION

Measure the span

HD ML Separately measure the distance at the same position of two electric power poles such as tst1 and tst2, you will know the distance of this two place (distance of the two electric power pole.

Measure safe distance

HD ML Separately measure the distance of guy wire of transmission corridor and tree around it, you will know the straight distance between them and know whether the distance is safe or not.
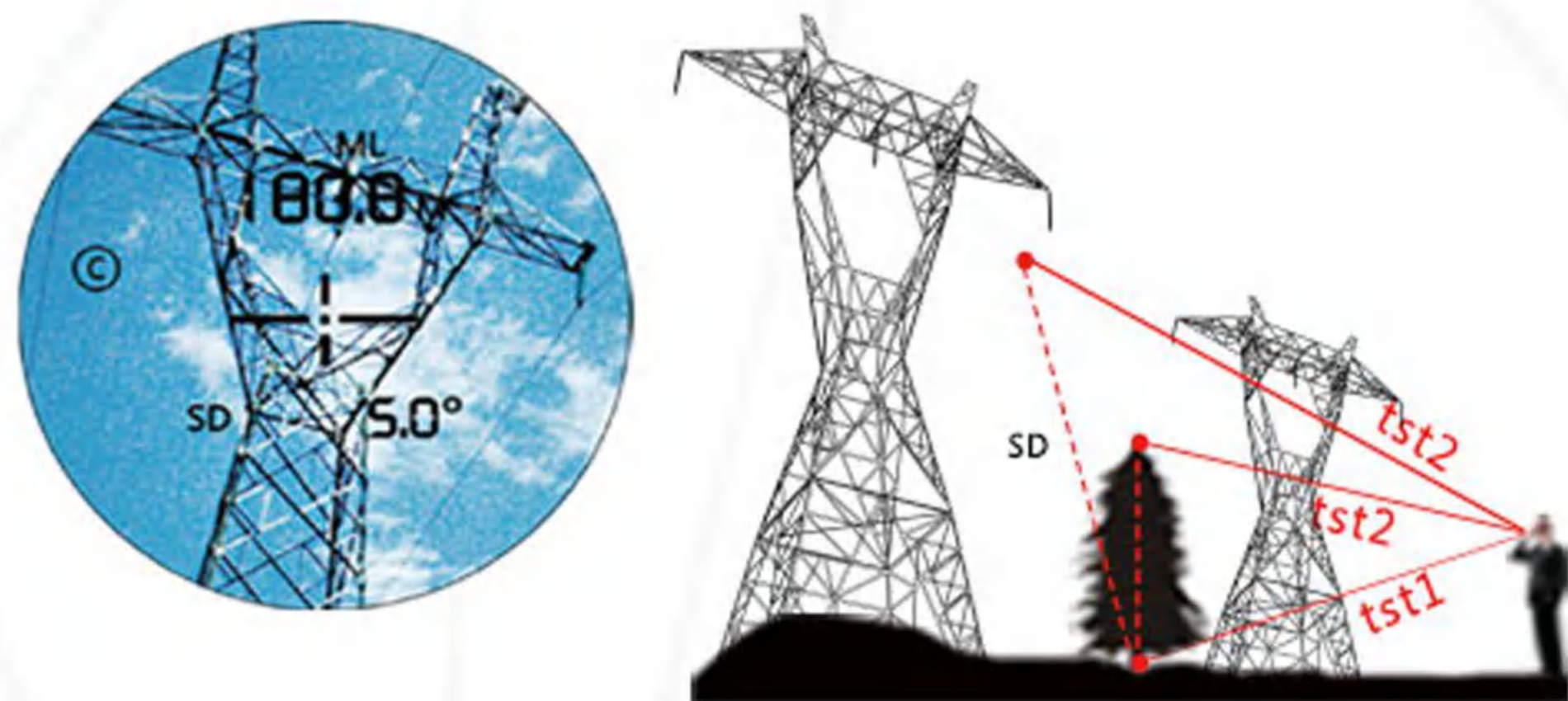
Measure the height
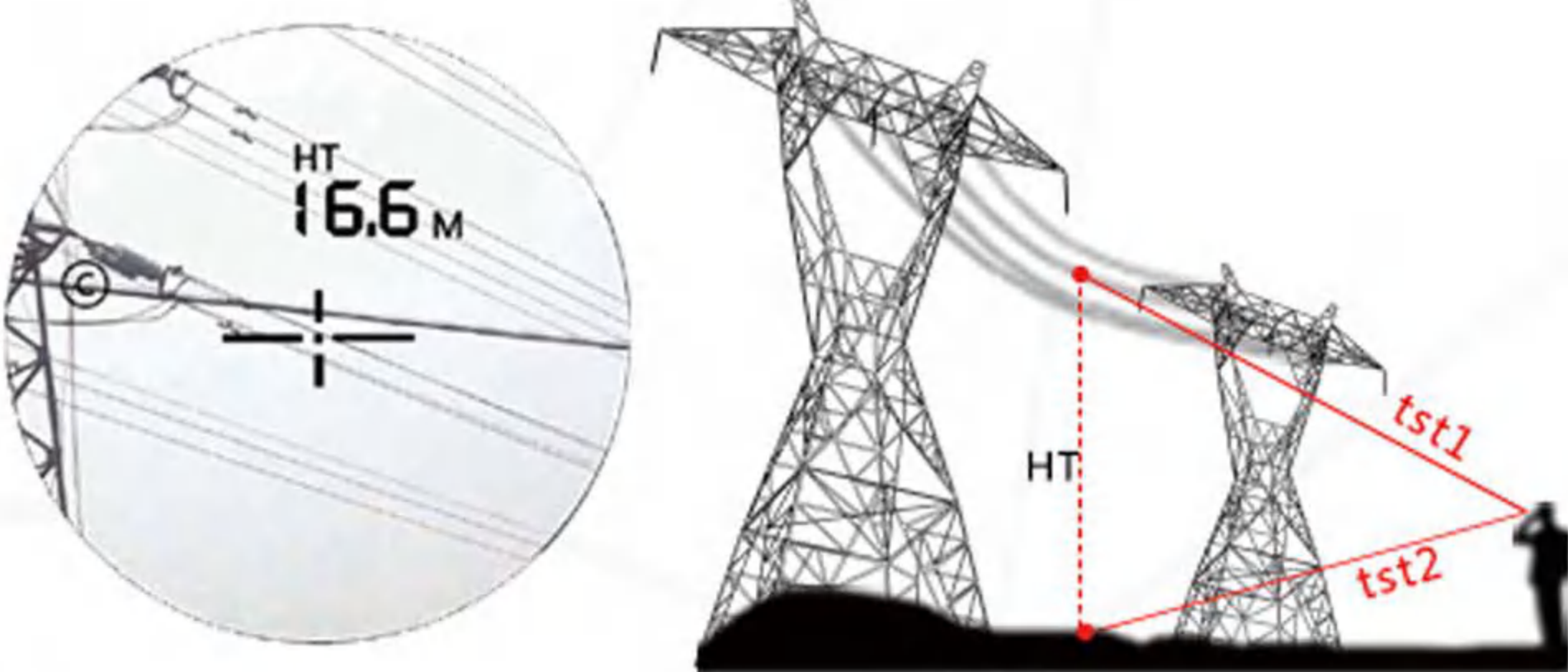
HD ML Separately measure the distance of top and bottle place, you will get the height.

Measure the headroom

VD ML Separately measure the distance of guy wire of transmission corridor and tree around it,you also can know the vertical height.

Judge whether the tree is at risk to the transmission corridor

SD ML Separately measure the distance of guy wire and bottle of tree, you can get distance between the wire and tree, and then measure the distance of the top of tree, you can judge whether the tree has potential risk.

Measurement of sag and layer distance
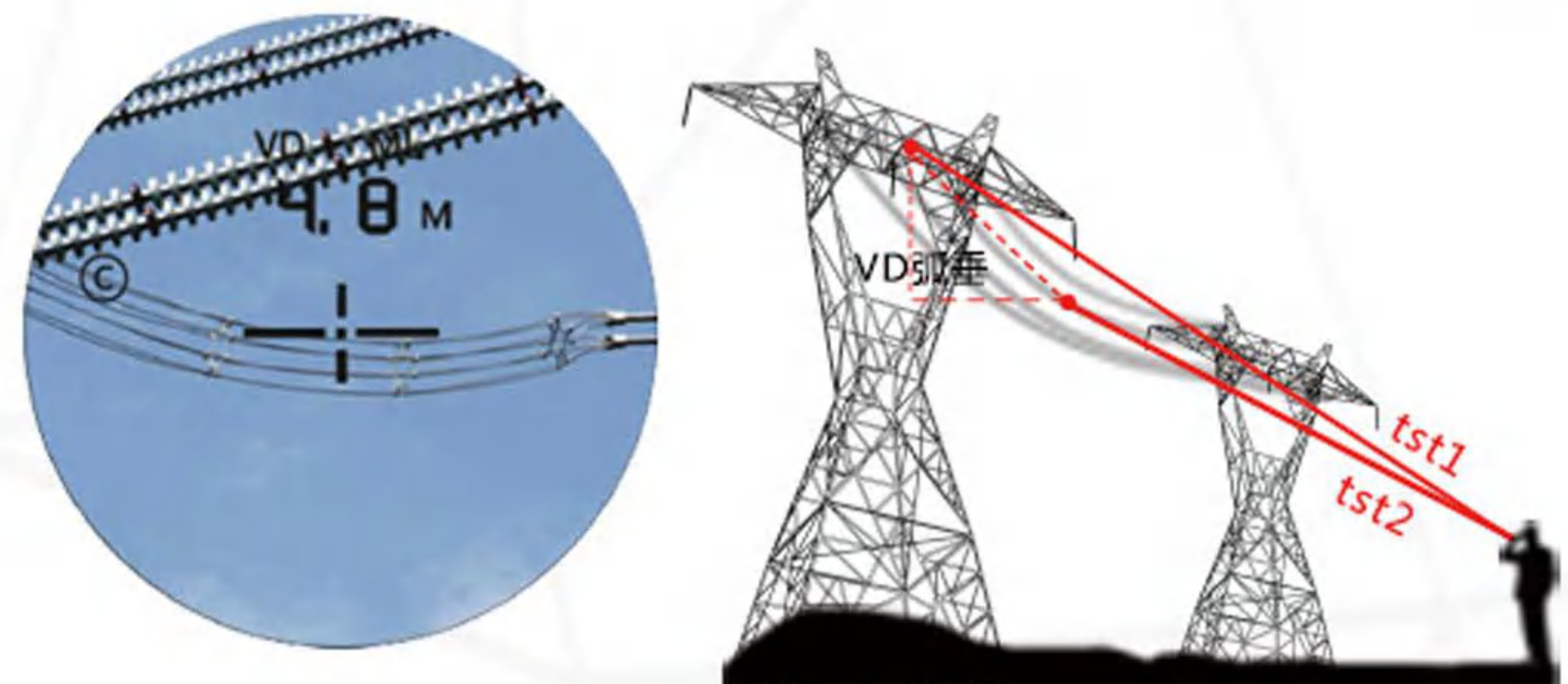
VD ML Separately measure the distance of different wires, and you will know the layer distance Separately measure the distance of connecting place and lowest point of wire, you will know the vertical distance.
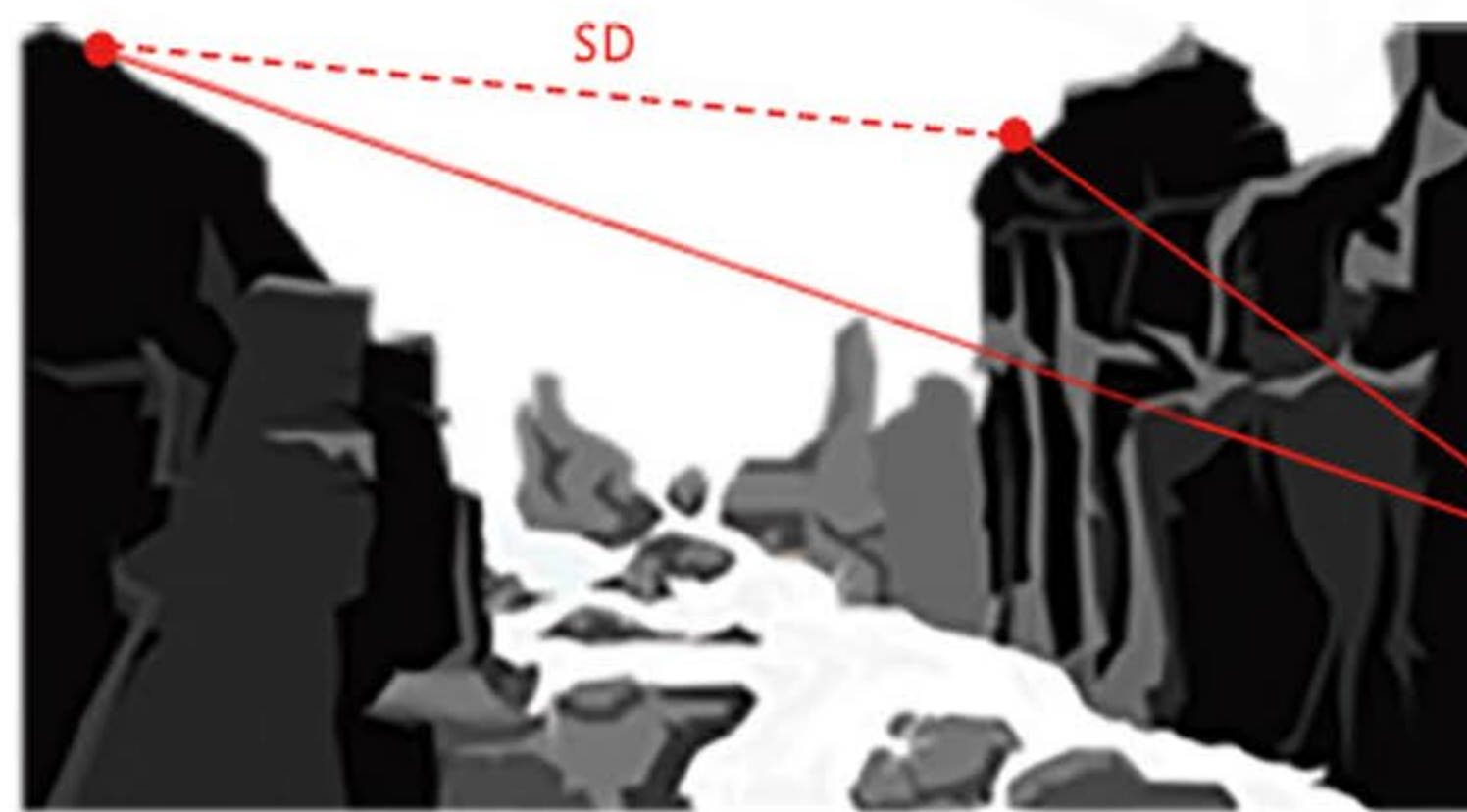
Accurate measurement and simple operation. Rxiry laser rangefinder is widely used in electrical power industry for perfectly measurement height vertical distance span, headroom and sag of the two point at any place.
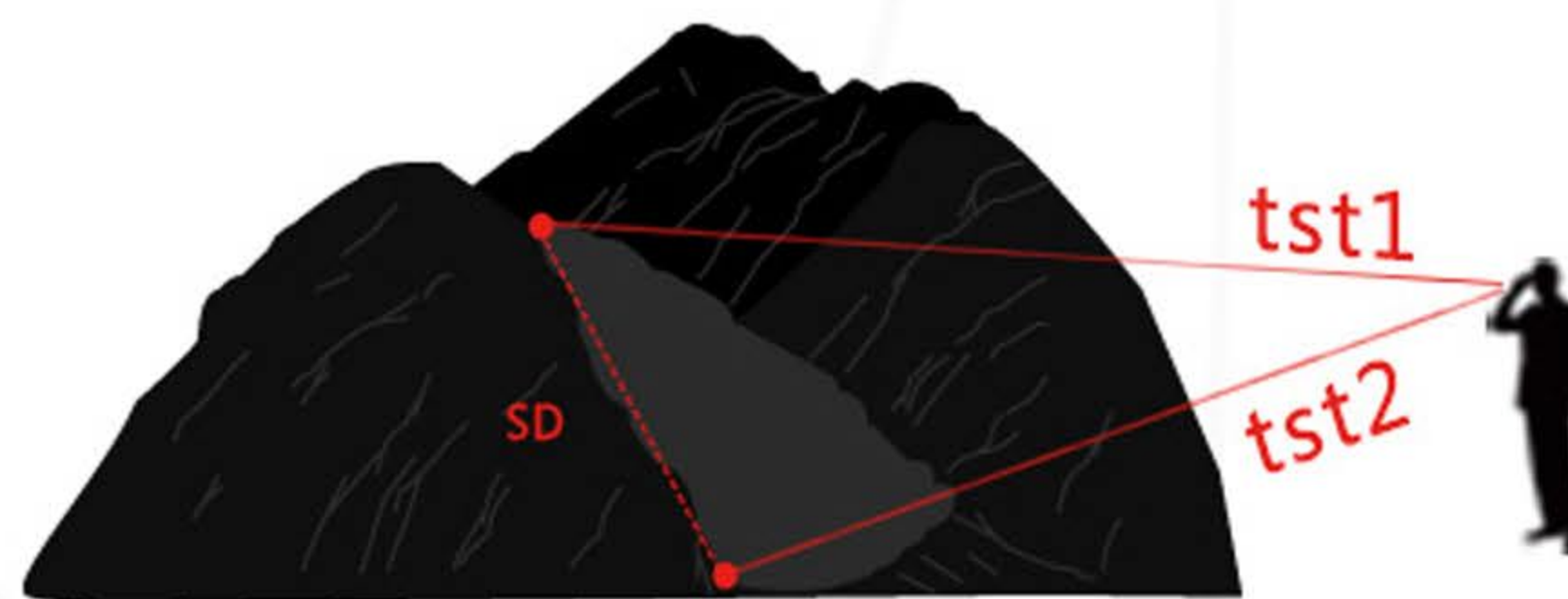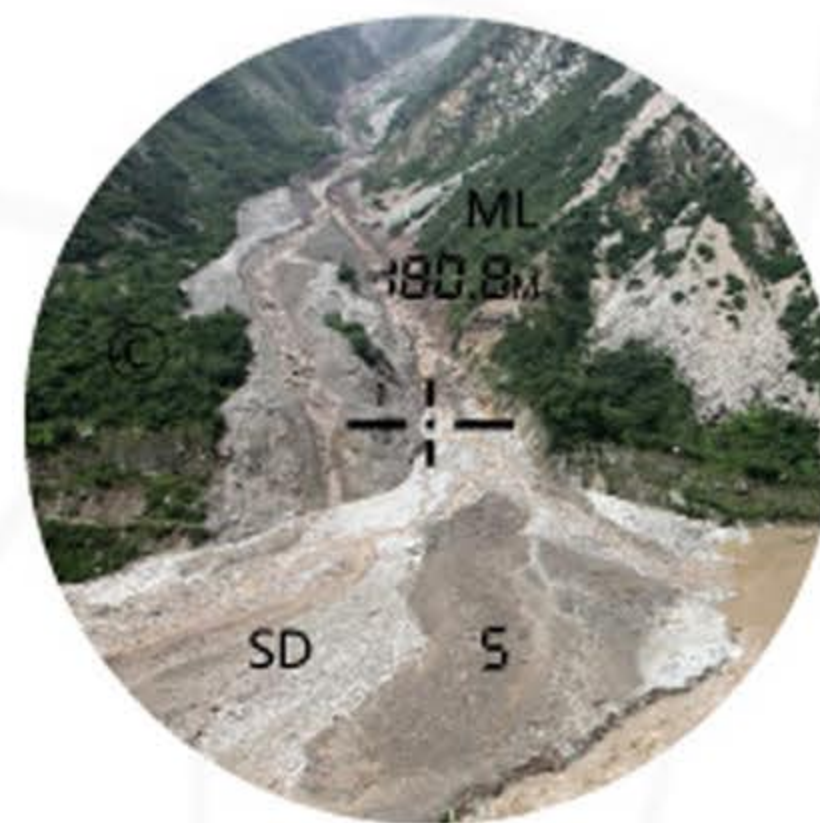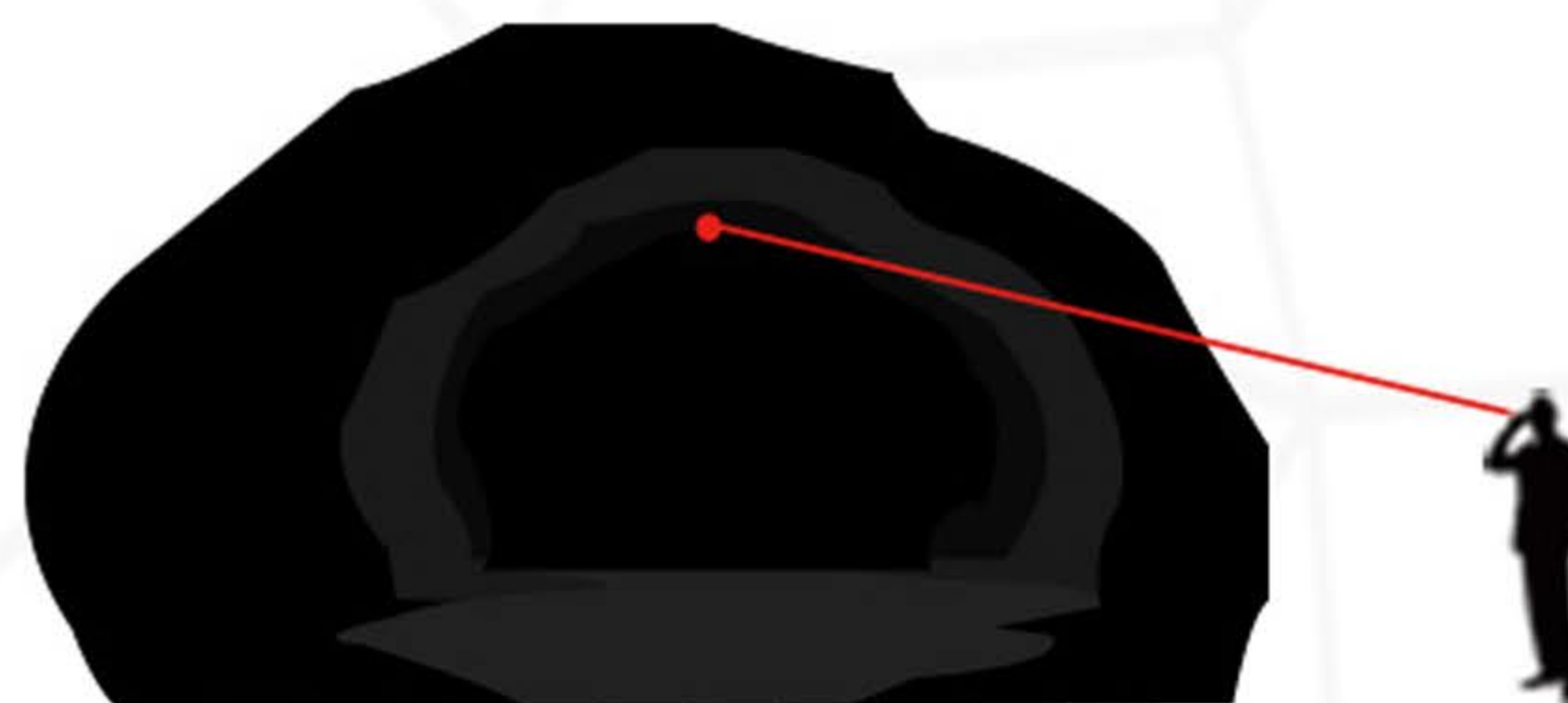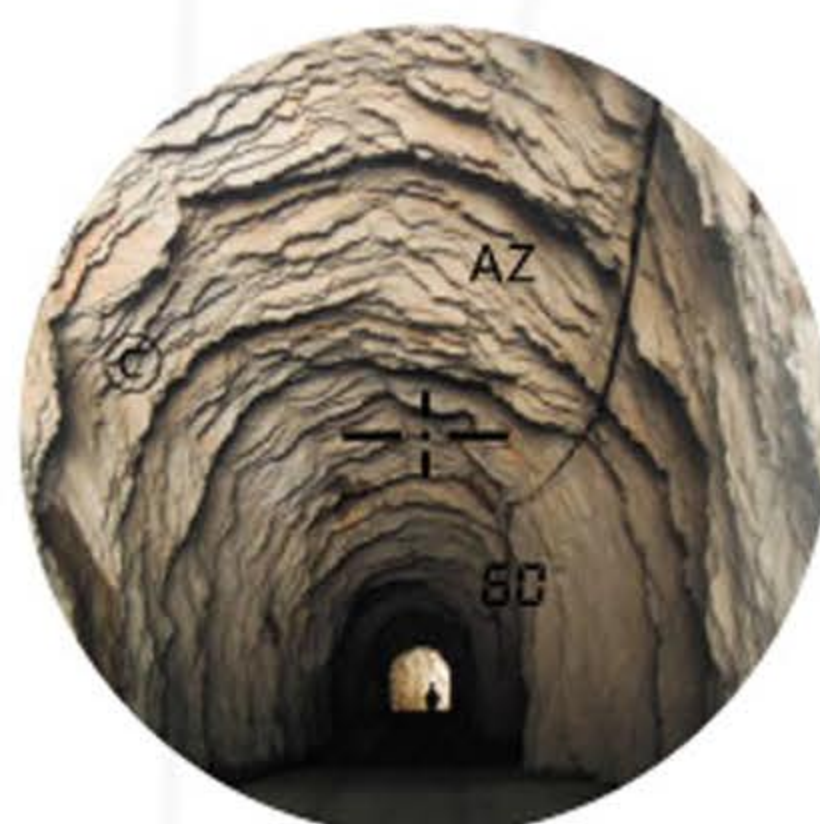
GEOLOGICAL INDUSTRY APPLICATION
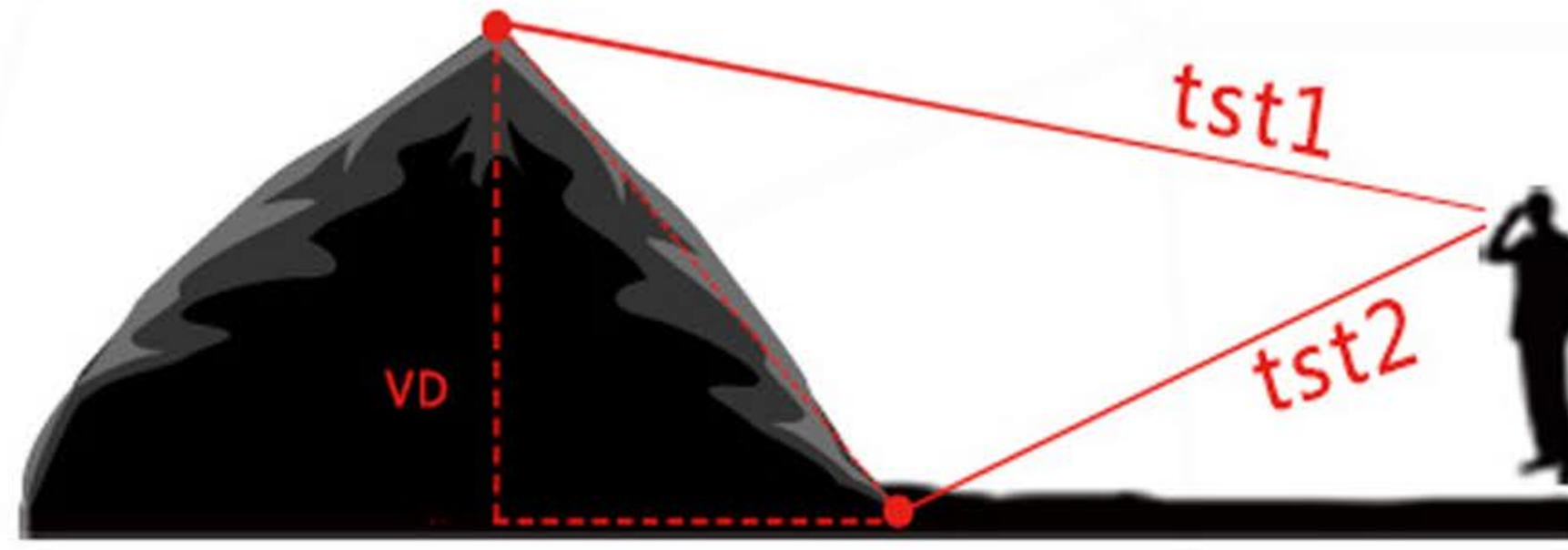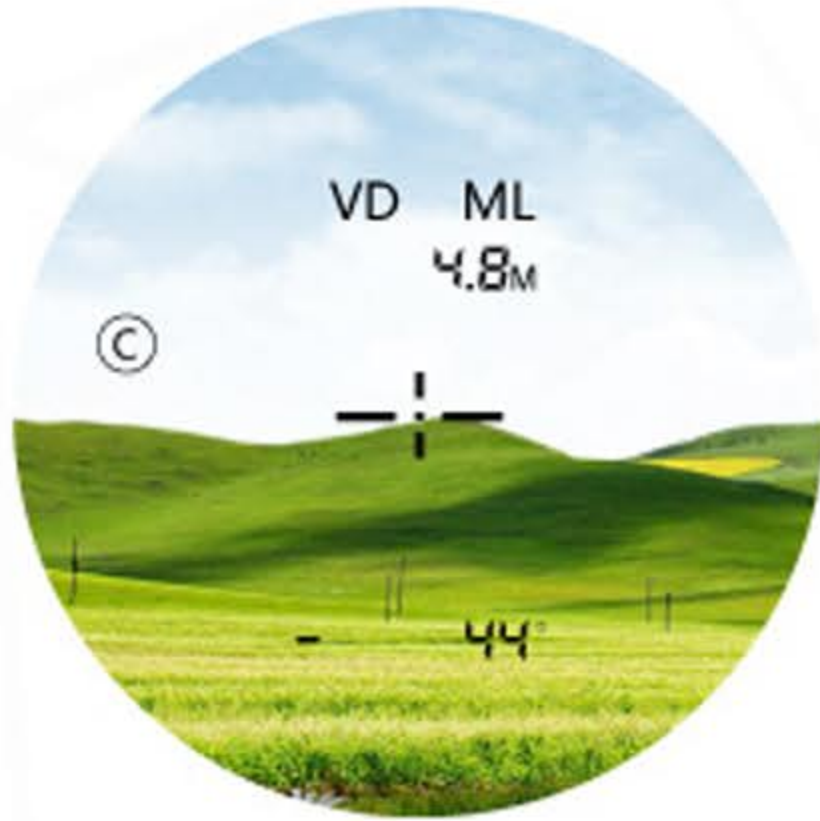
VD ML separately measure the distance of top and bottle of the mount, you will know the vertical height

SD ML separately measure the distance of two points in the canyons, you will know the distance.

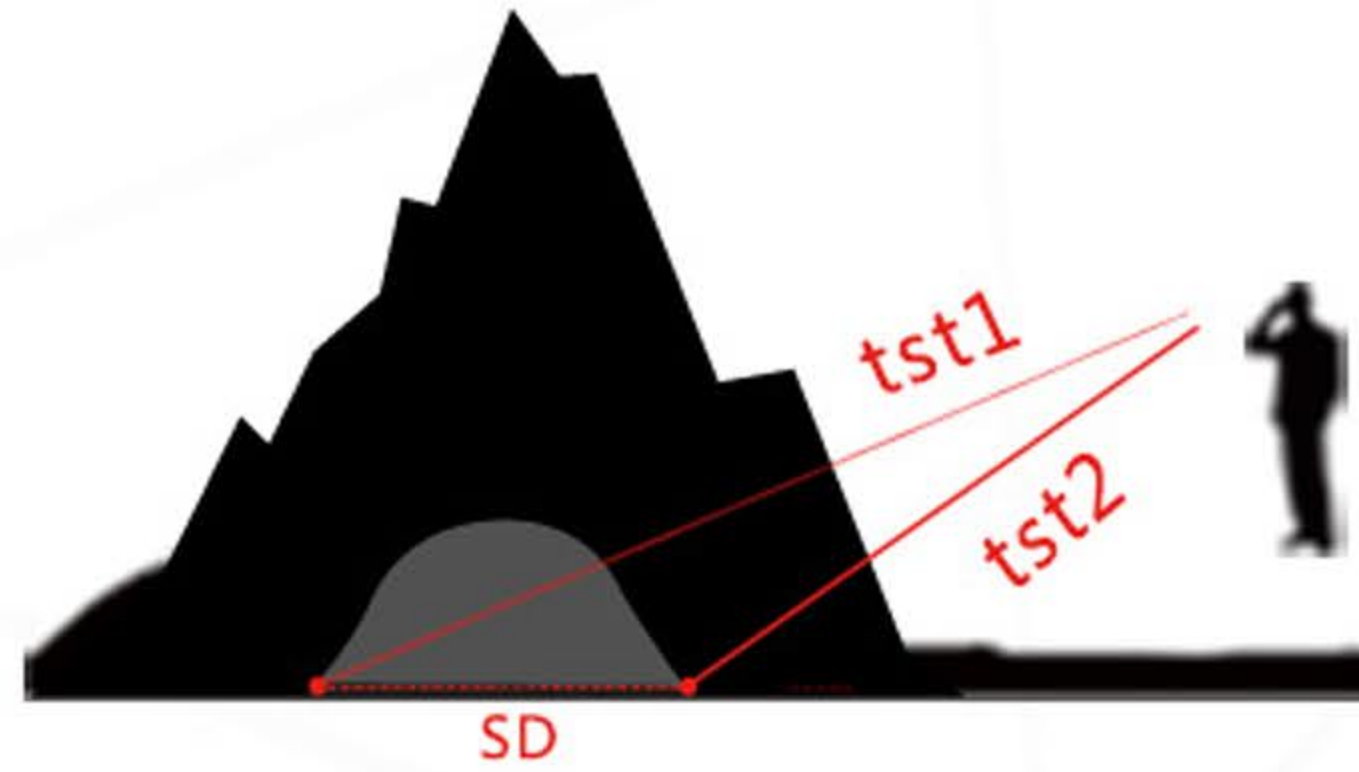**SD ML** separately measure the two points in mud-rock flow or mount, you will know the length or width.
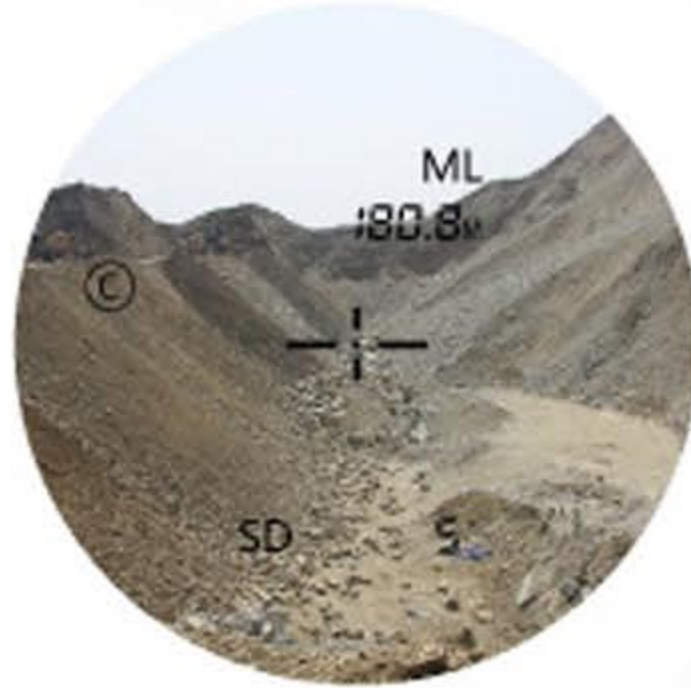
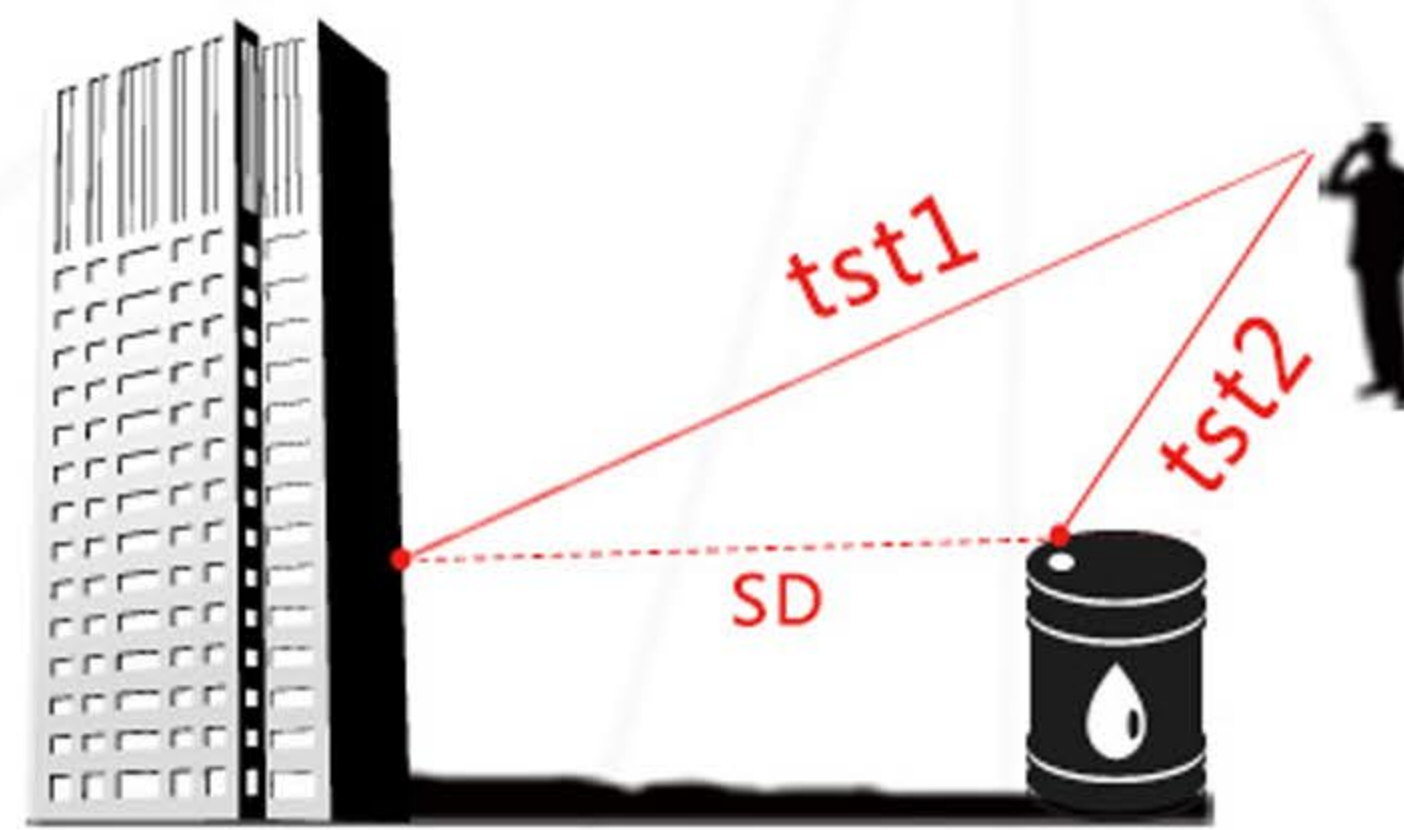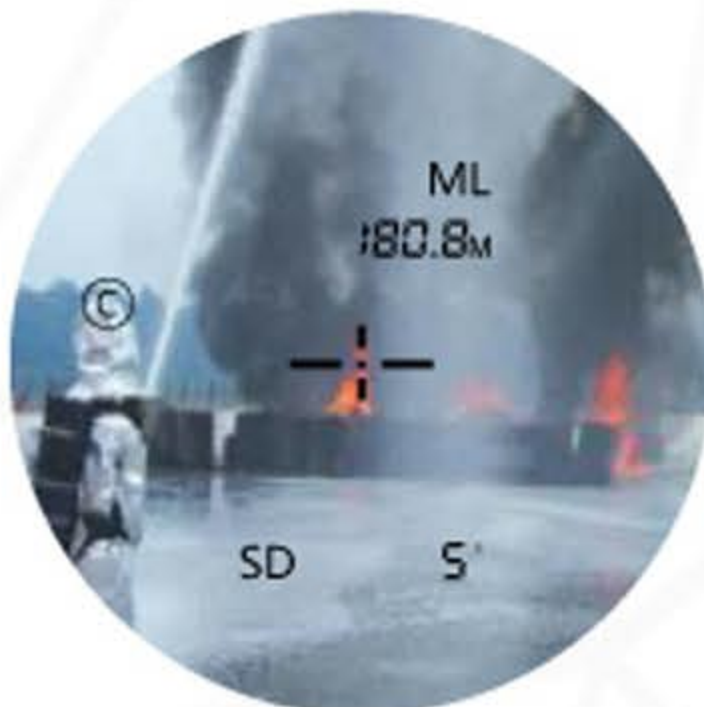**AZ** You can know the azimuth of cave by any point in the cave

Rxiry laser rangefinder can simple measure height of mounts, depth of Layers VD ML mode) width of canyons and is widely used in Geological industry.
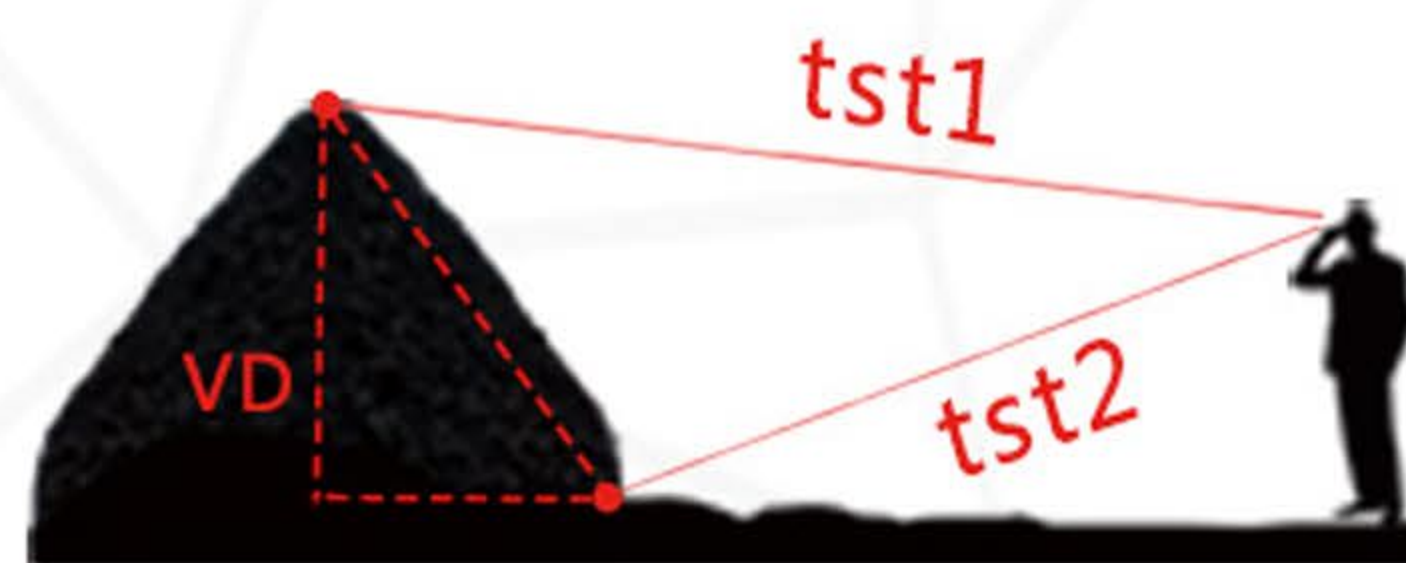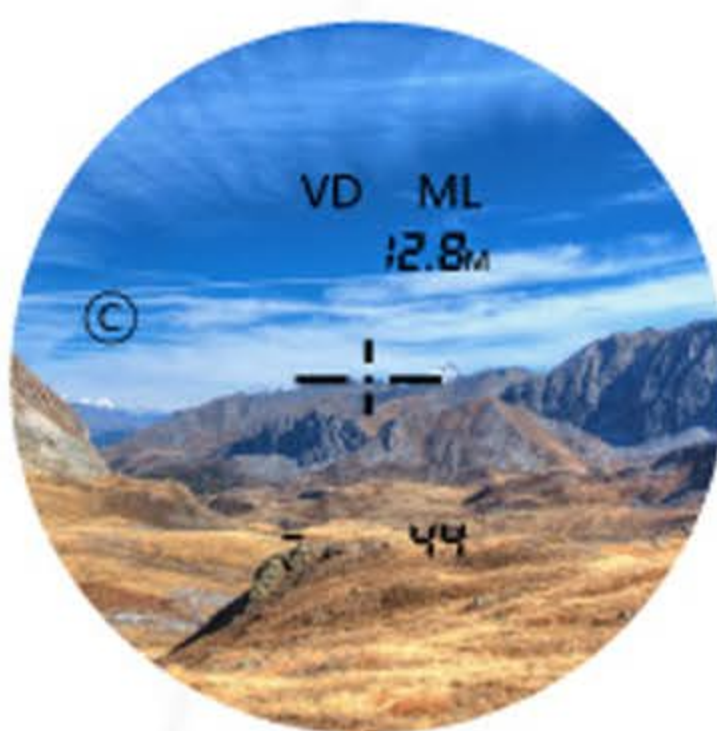
SAFETY MONITORING INDUSTRY APPLICATION

SD ML separately measure the distances of top and bottle of taillings pond, than you will get the length and width

SD ML Separately measure the distances from building and dangerous object, you know the straight distance to assess security
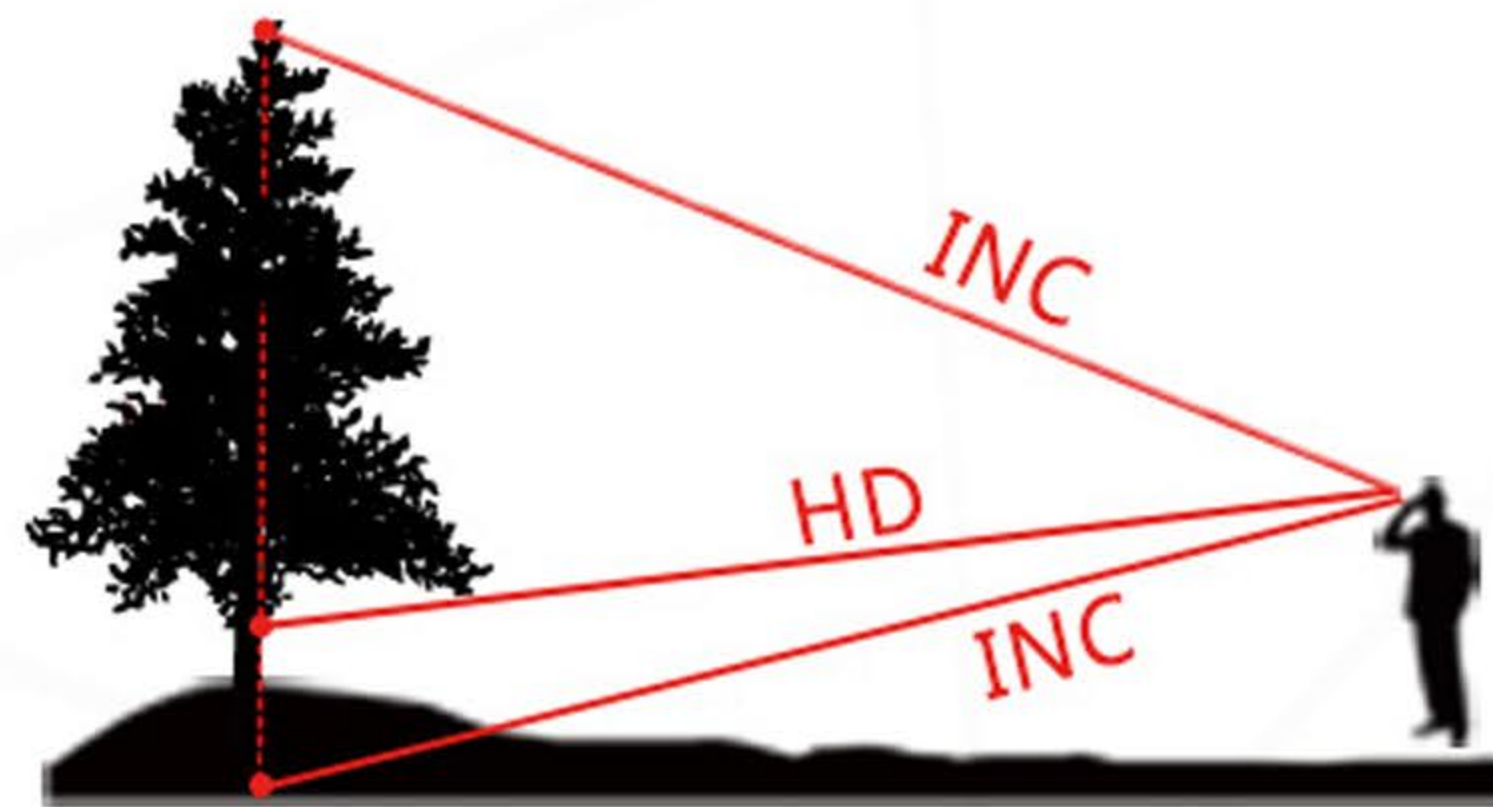

VD ML Separately measure the distance from the top and bottle of mine,you will know the vertical height。
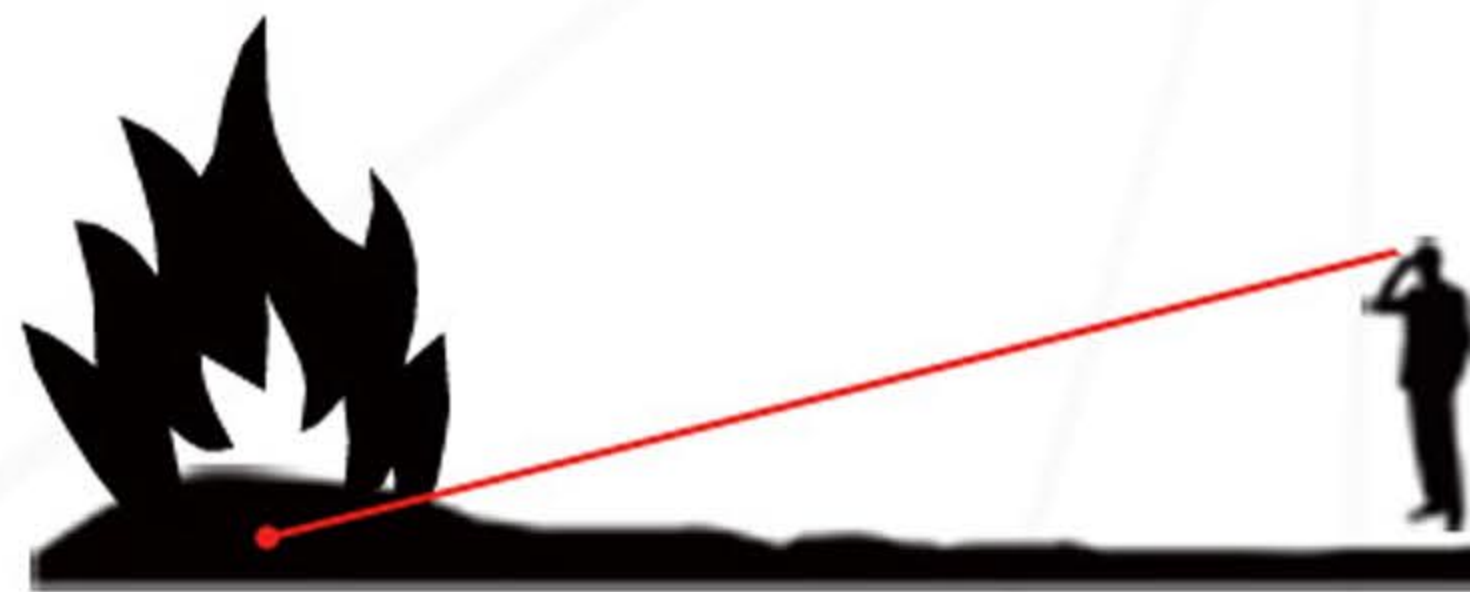
Rxiry laser rangefinder can simply measure height and slop of mine tailings pond, and safe distance in safety monitoring industry.
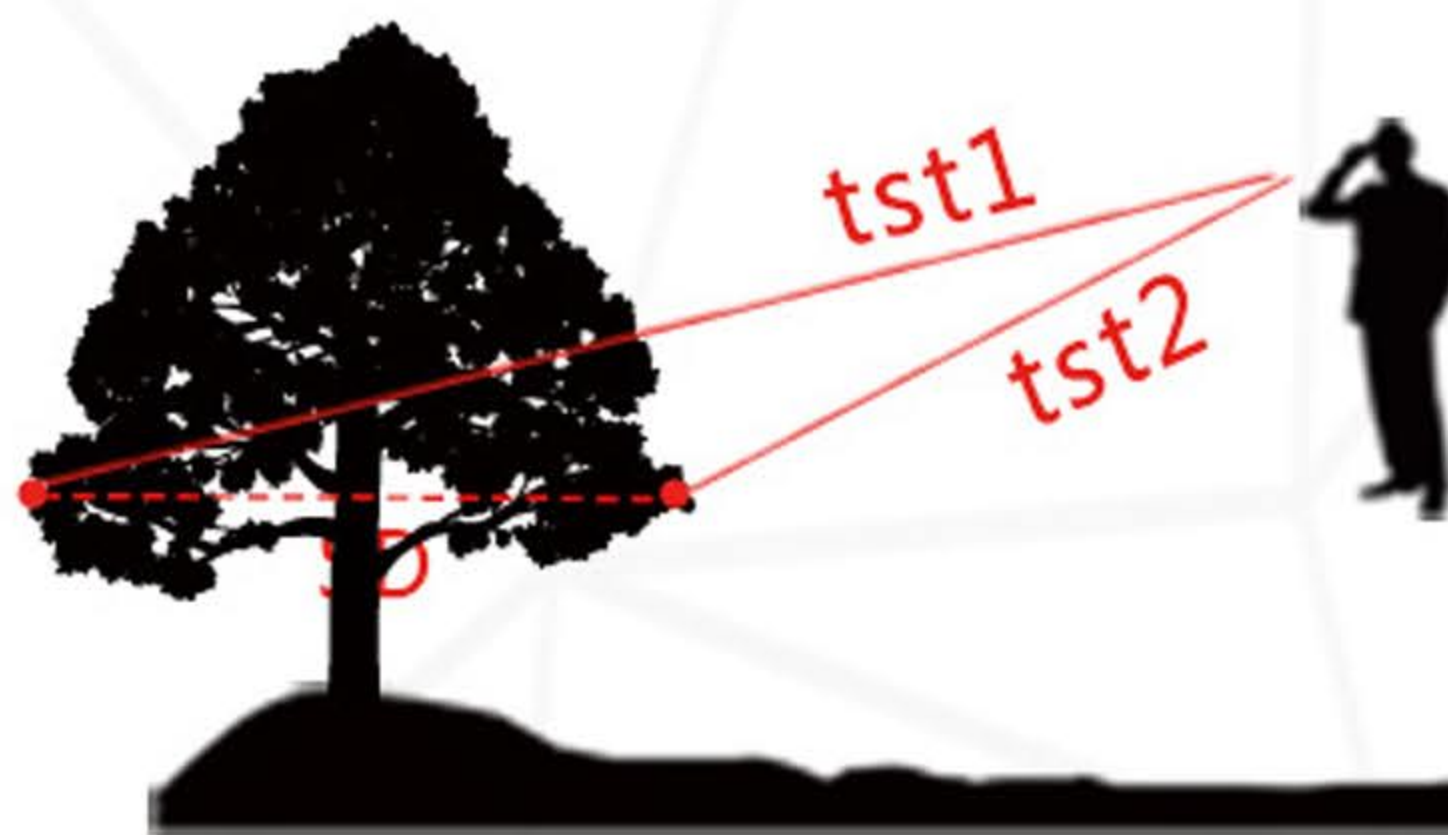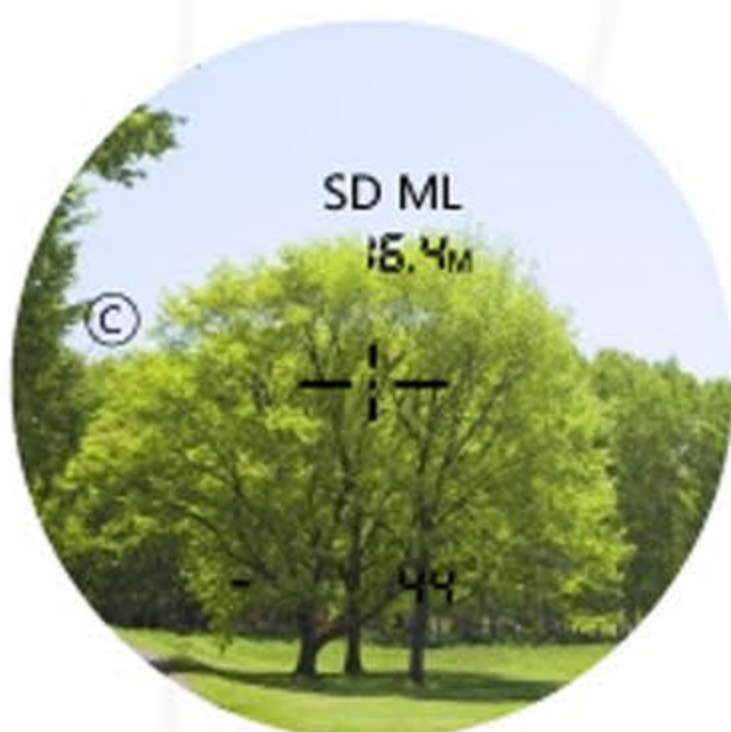
FOREST INDUSTRY APPLICATION

HD HT Separately measure the top/middle/bottle of tree you will know the height of tree.

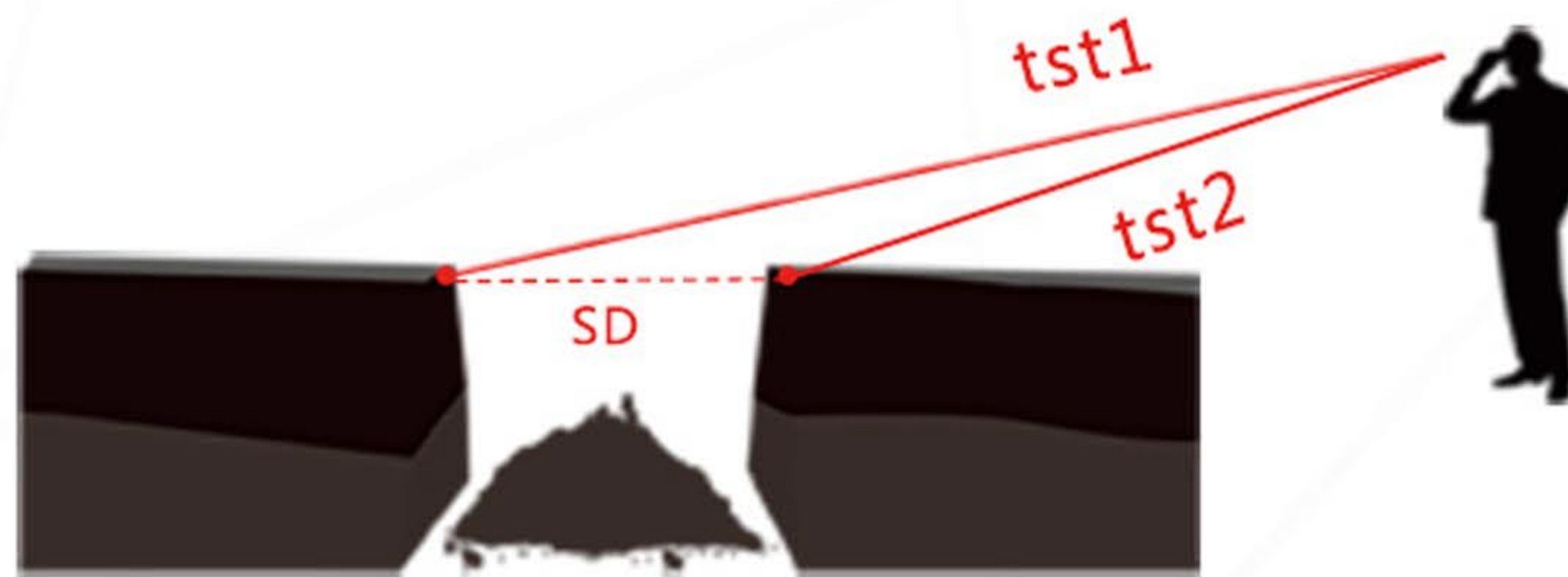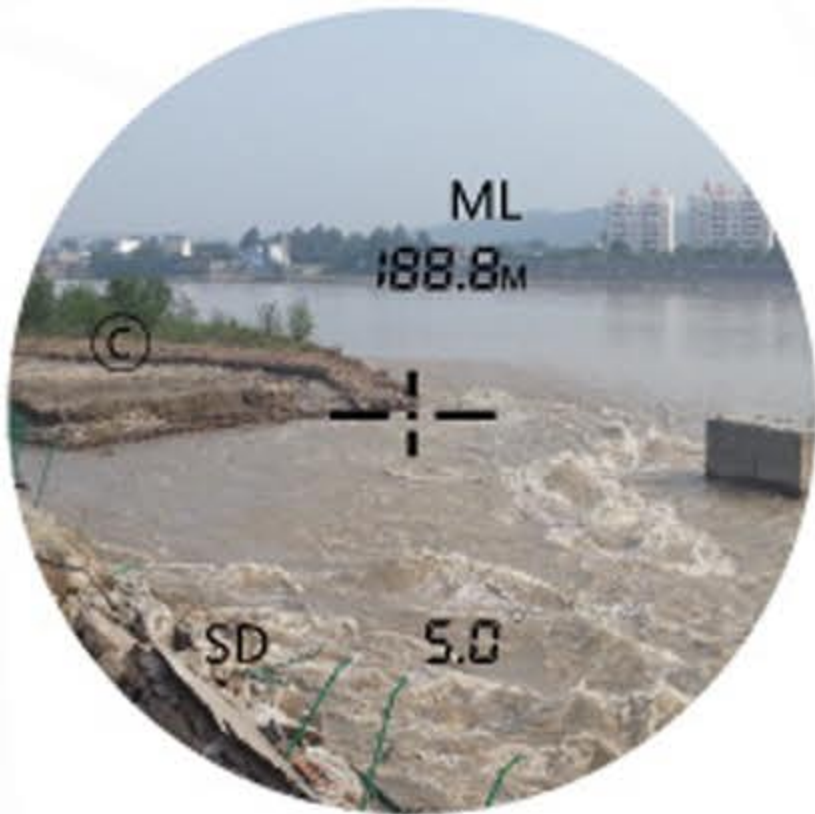**AZ** measure the azimuth of fire location and predict fire direction.

SD ML separately measure the right and left side of tree, you will know the width of tree.

Rxiry laser rangefinder can measure the width and height of tree, slop of mount, azimuth of fire location and widely is used in forest industry.
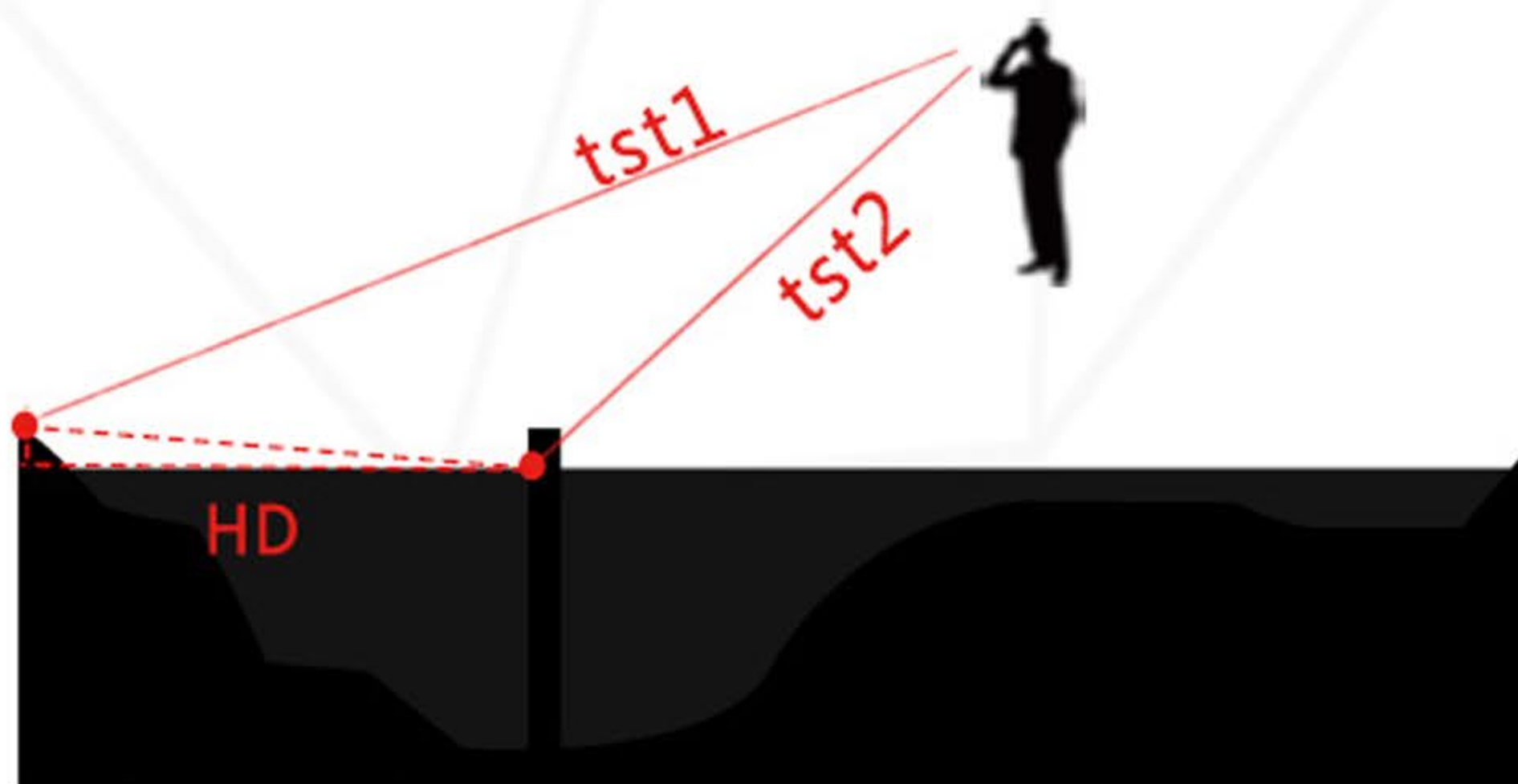
WATER CONSERVANCY INDUSTRY APPLICATION

ML
188.8м

SD   5.0

tst1

tst2

SD

SD ML Separately measure the distance from two points of bam breach, you will get the width of breach.

VD ML
4.8м

44

tst1

tst2

VD ML Separately measure the distance from bottle of bridge and the bottle of piers, you will get the vertical height from water surface.

HD   ML
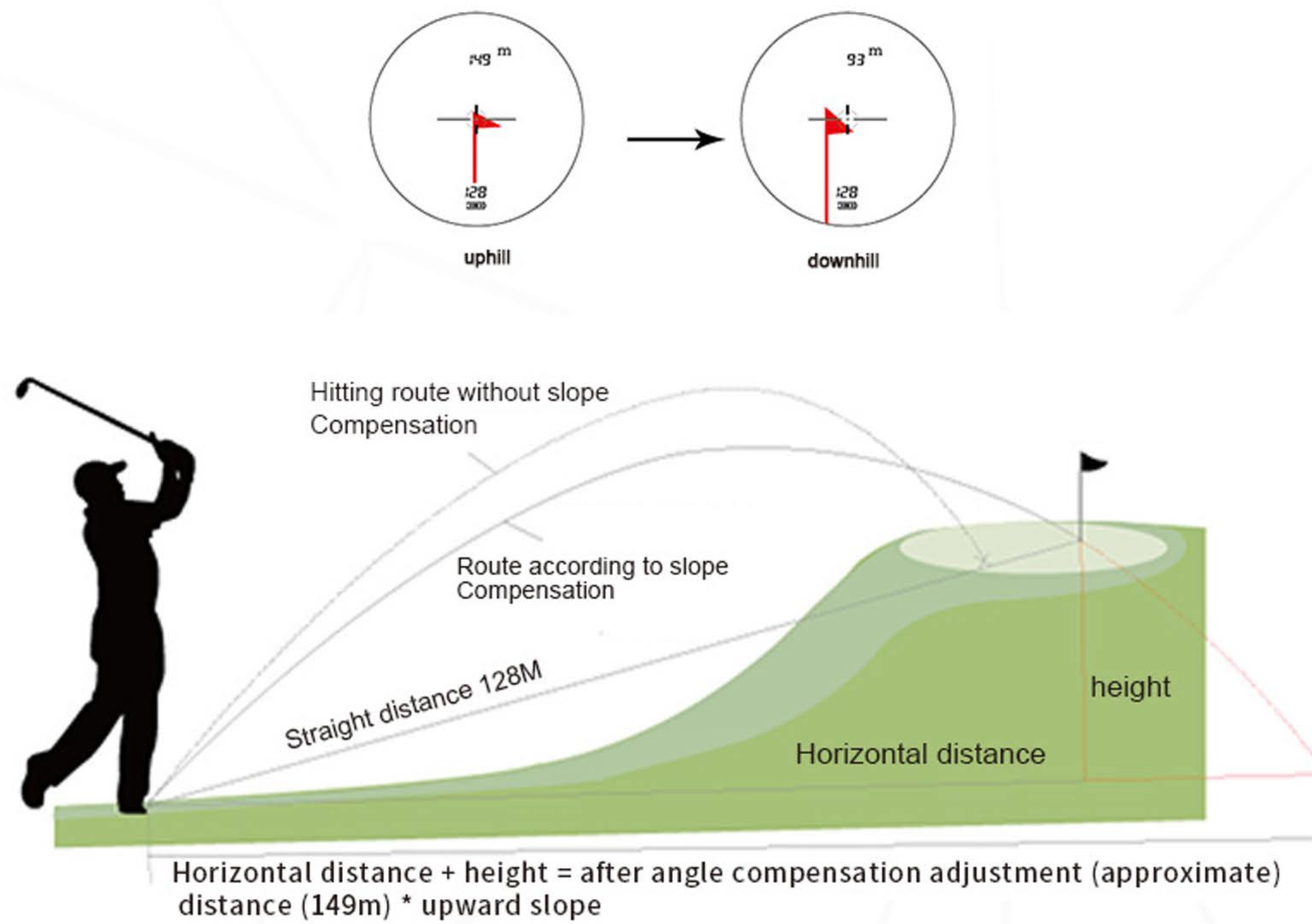188.8м

5.0°

tst1

tst2

HD

HD ML measure the straight distance of starting pile and the watchpoint

Rxiry laser rangefinder can measure the width of dam breach, height of bridge, slop of dam and others and others. This product can measure the distance of any two points with simple operation and high accuracy and is widely used in water conservancy industry.

SPORTS APPLICATION

uphill → downhill

Hitting route without slope Compensation

Route according to slope Compensation

Straight distance 128M

height

Horizontal distance

Horizontal distance + height = after angle compensation adjustment (approximate) distance (149m) * upward slope

The above figures represent "slope adjustment distance", the following number represents "a straight line distance", both of which are displayed on the internal display.