

MILESEEY®

PF210

LASER RANGEFINDER
user's manual



BSCI
Business Social Compliance Initiative

Product Overview

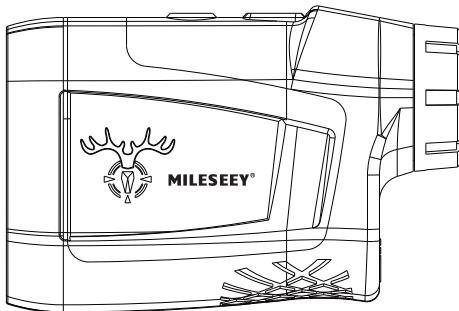
Thank you for using MILESEEY laser rangefinder, please read the instruction carefully before operation.

PF210 series product is a portable laser rangefinder for hunting, hiking and other outdoor activities, providing precise range readings from 3.3-900 yards (3-823 meters), with +/- 0.5m accuracy to the maximum range.

PF210 series rangefinder is wrapped with environmentally friendly, harmless, non-slip, and wear-resistant soft rubber materials; Compact and light, comfortable to hold, and easy to carry.

PF210 adopts TOF (Time of Flight) technology to realize the linear distance, vertical height distance, horizontal distance and speed measuring etc.

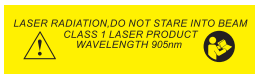
PF210 can achieve multi-functional features with high accuracy, quick response, intuitive distance display and lower power consumption. It is an intimate assistant for outdoor activities.



Safety Instructions

① ⚠ Warning

- Do not stare into the laser beam.
- Eyes can be permanently damaged into the sun to look into sun with the device.
- Do not aim the device to the sun, it will cause permanent damage to inner to the inner components.
- Keep the eyepiece away from direct sunlight.



- Do not put the device out of the storage temperature of -10~45°C.

② Disposal

Everyone is responsible for environmental protection.

It's prohibited to dispose of used batteries together with household waste, please collect used batteries to the designated refuse collection center.

This product must not be recycled with household waste. Dispose of the product appropriately in accordance with the national regulations in your country.

③ Scope of Responsibility

MILESEEEY will not be responsible for any loss if any use of accessories from other manufacturers without approval from MILESEEEY.

Important Safety Instructions for CR2 battery

Always insert CR2 battery correctly according to polarity (+ and-) marked on the battery and the equipment.

Do not dispose of batteries in fire.

Keep batteries out of reach of children and pets.

The device comes with a 800mA CR2 lithium battery.

When it displays "  " (low battery), please replace a new battery.

NOTE: We recommend to take off the battery in case you do not use the unit for a long time and store it in dry conditions.

1. Push the button to the arrow indicator side to open the battery compartment.

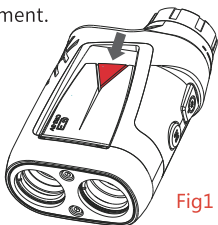


Fig1

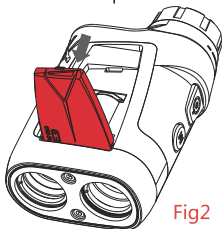


Fig2

2. Install 1x CR2 battery, observing correct polarity, otherwise it may be damaged due to short circuit.

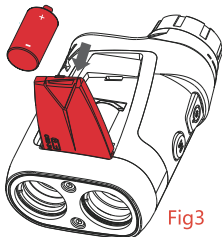


Fig3

3. After the installation is completed, press the battery cover to close it.

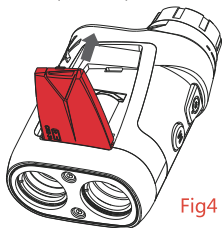
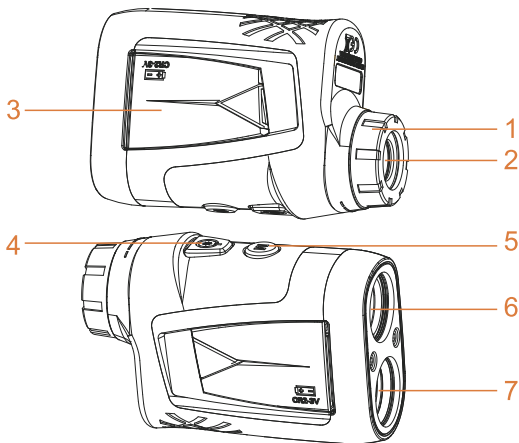




Fig4

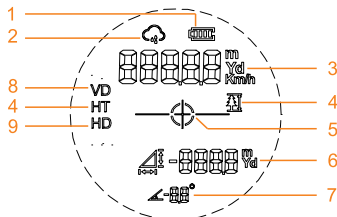
Appearance



- 1. Eyepiece knob
- 2. Eyepiece
- 3. Battery compartment
- 4. Power/Measure button 
- 5. Mode/unit switch button 
- 6. Laser Emitter lens
- 7. Objective Lens/Laser receiving lens

Icons on LCD Display

Insert the icon of the display, and display the following digital signs, refer to the example picture:

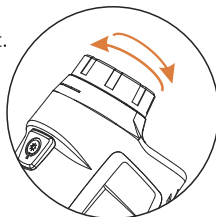


- 1.Low battery indicator
- 2.Rain fog mode icon
- 3.From left to right: Measure distance, unit (m,yd,km/h)
- 4.Vertical height (between two points)
- 5.Bull' s eye
- 6.From left to right: Measuring data, unit (m,yd)
- 7.Angle data
- 8.Auto Height Mode
- 9.BOW Mode (HD)

Initial Operation And Settings

Eyepiece


Adjust the eyepiece knob to focus target.



Unit Change

Long press  to change the unit (m or yd)

Operation Instructions

Step1. Press  to power ON

Step2. Please adjust the eyepiece to focus the target before measuring.

Step3. Short press  to switch modes as below:

In the course of the measurement, if the target reflection is weak or is beyond the measuring range, it will display as "----".

*The measurement range will be affected by materials of the target, inclined angle of the target surface, visibility of the weather etc. In general, if the target surface is smooth and bright with larger area, the beam is perpendicular to the target surface and the weather is cloudy without fog, the measurement range will be longer.

Rain and fog ranging mode(long-range priority)

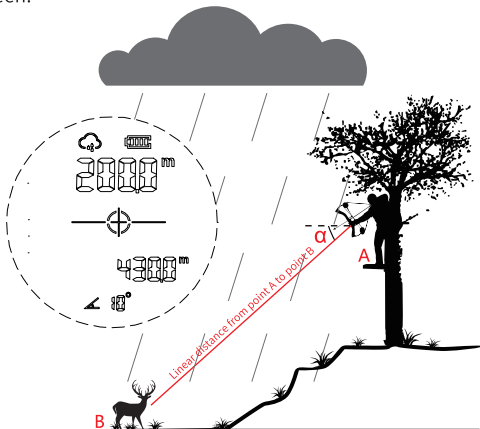
Distance+level+Til-tangle

This mode is mainly used to measure in rain and fog conditions. Due to the influence of raindrops at rainy day , you may receive some invalid values reflected by the raindrops, so the long-range priority results make sense.

Short press **(M)** to ☁ rain and fog ranging mode (Long- range priority).

Aim at target B, press down **(⏻)** button, then device continuously emits infrared laser and produce readings on the upper line.

Stop press **(⏻)** button, the final scan result is displayed on the upper line. The "long-range priority" result is displayed at the bottom of the LCD screen.

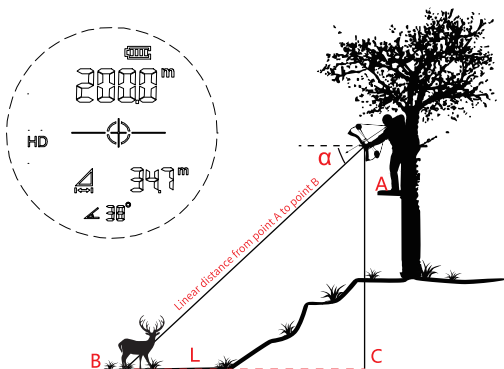


BOW Mode (HD)

Distance + Auto level + Tiltangle

This mode is mainly used to measure the horizontal distance from fuselage to the target object. Applied to bow hunting or other use if you don't need bullet-drop/holdover information.


Short press **(M)** switch to auto level (HD) mode, aim at the point B of the measured object, and short press **(⊙)** the measurement button. The linear distance (AB) from target to the rangefinder would be displayed on the top, The horizontal distance and the tiltangle would be displayed at the bottom of the LCD screen.

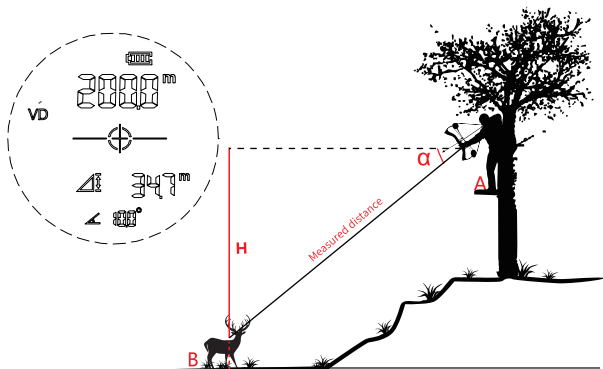


Auto Height Mode

Distance + Height + Angle

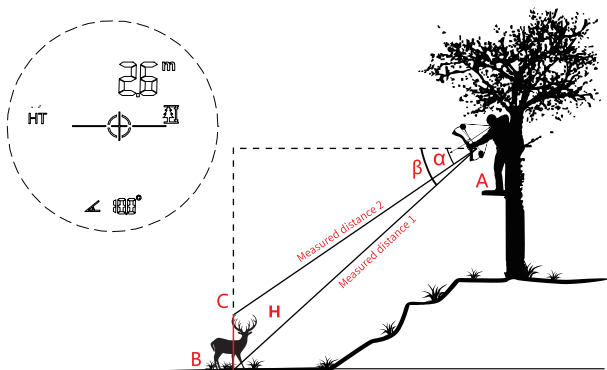
Short press **(M)** switch to the . Activate distance + height + angle mode.

aiming at the point B of the measured object , and short press  the measurement button. The linear distance (AB) from target to the rangefinder would be displayed on the top, The height distance and the tiltangle would be displayed at the bottom of the LCD screen.



Vertical Height (Between two points)

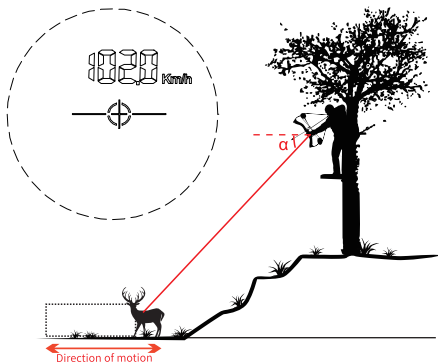
Short press **(M)** activate vertical height measuring mode. Aim at target B, press **(C)** to get the distance and angle (angle between the measured distance and horizontal surfaces) between A and B, Move to target C, press **(C)** to get the distance and angle (angle between the measured distance and horizontal surface) between A and C, the vertical height between B and C will be displayed on the top, the absolute value of the difference between the two angles θ will be displayed at the bottom.



Speed measuring mode

“ α ” must be less than 10° , the smaller the angle, the higher the accuracy. Short press (M) to activate the speed measuring mode, press (L), aiming at the target B, and move slightly, the speed of the measurement can be measured accordingly.

*Speed measurement range: 18~300km/h.



Specification

Model	PF210
Range	900YD
Power	3V,CR2*1
Measuring unit	m / Yd
Accuracy	$\pm(0.5m+0.01D)$
Laser wavelength	905 nm
Eye safety	FDA(CFR 21)
Field of View	7°
Magnification	6X
Objective lens Diameter	22mm
Eyepiece Lens Diameter	16mm
Exit Pupil Diameter	3.7mm
Diopter	$\pm 0.5D$
Diopter Adjustment	Eyepiece justment
Operating temperature	0°C~+40°C
Rain and fog ranging mode	√
BOW Mode (HD)	√
Auto Height Mode	√
Vertical Height (Between two points)	√
Speed measuring mode	√
Display LCD	Transflective LCD
Dimension	110*65*38mm
Weight(Weithout battery)	164g

Notice

1. In order to protect the coating of the lens, do not touch lens with your fingers.
2. Laser rangefinder has been precisely calibrated by instruments, please send back to dealer for repairing instead of disassemble by yourself.
3. When the lens is contaminated, please wipe gently with clean cloth, do not use tough objects to wipe.
4. Avoid collision or heavy load when carry or use, especially keep away from baking or corrosion.
5. Keep the product away from moisture during storage. Please keep it in a dry, cool and well ventilated place to avoid direct sunlight, dust and temperature mutation.
6. Rain and fog will affect the laser ray-path, which may worsen the measurement accuracy. It also may cause error under very bad weather condition.