



UNI-T LM600A Series Laser Rangefinder User Manual

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Safety Instructions

Please read the safety and operating instructions carefully before using the product for the first time.

- If users do not use the product in accordance with the instructions in this manual, it may cause damage to the product, affect the accuracy or cause personal injury.
- Do not disassemble or repair the product by yourself. Do not modify or change the performance of the laser emitter. Please keep the product in a safe place and do not place it in the reach of children.
- The electromagnetic radiation of the product may cause interference to other devices. Do not use the product near aircraft or medical equipment. Do not use it in inflammable and explosive environment.
- The discarded products cannot be disposed of together with household garbage. Please dispose them according to the national or local laws and regulations.
- If there is any quality problem, or if users have any questions about the use of the product, please contact the local dealer or manufacturer in time.

Product Introduction

LM600A series laser rangefinders can be used in power equipment installation, highway, municipal engineering, forestry survey and design, construction, network planning, communication maintenance and golf.

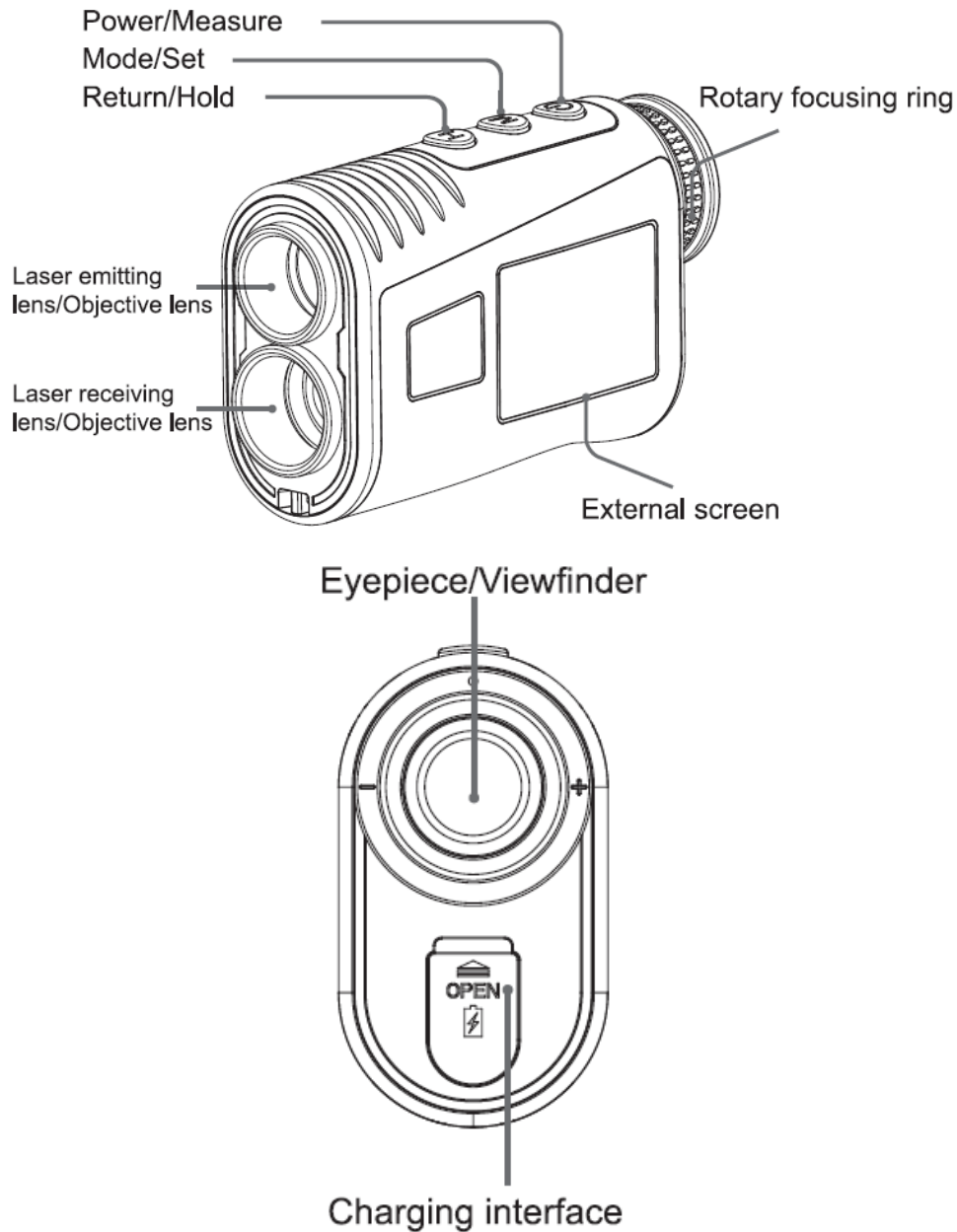
- While clearly observing objects, the product can measure the distance of fixed or slow moving objects in a certain range. It has the advantages of high accuracy, short measuring time, direct distance display, low power consumption and auto power off.
- The laser power is small. The product can measure any target. It is compact and portable and has built-in rechargeable lithium battery.

Features

- Compact and portable;
- High precision and speed, low power consumption;
- Multi-function LCD;

- Harmless class I pulse laser;
- Mute operation and auto power off;
- Built-in 750mAh rechargeable lithium battery;
- Flagpole lock mode to measure slender targets;
- Golf trajectory compensation mode to calculate the actual shot distance;
- Height and horizontal mode applies to engineering surveying.

Product Appearance

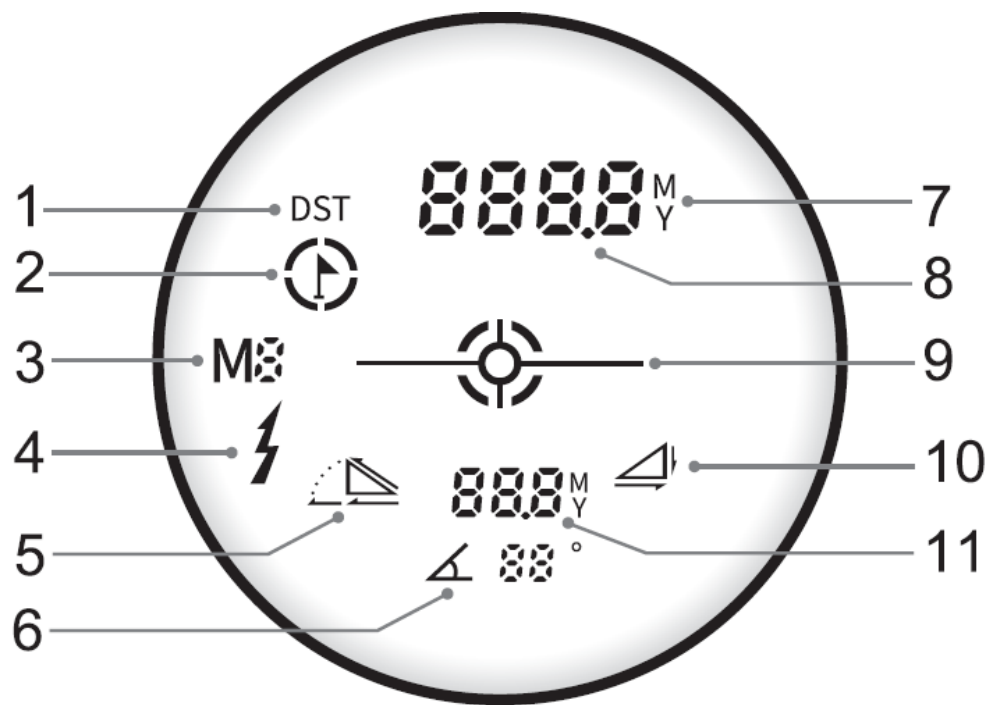


Specifications

Functions	Range				
Model	LM600A LMB00A		LM1000A LM1200A		LM1500A
Distance range	3-600m 3BOOm		3-1000m 3-1200m		3-1500m
Accuracy					
Magnification	6X				
Diopter adjustment range	±6° diopter				
Height	250m	300m	450m	500m	600m
Speed range	18-300Km/h				
angle	+45°				
Objective aperture	21.5mm				
Eye piece aperture	15mm				
Exit pupil diameter	3.7mm				
angle error	±1°				
Flagpole lock	.J				
Golf trajectory compensation mode	.J				
Slope measurement	.J				
Height measurement	.J				
Volume measurement	.J				
Area measurement	.J				
Angle measurement	.J				
Mute operation	Auto power off				
Laser class	Class 1				
Laser wavelength	905nm				
Operating temperature	-10°C-50°C				
Power	3.7V 750mAh lithium battery				
Product color	Black+ silver				

Operating

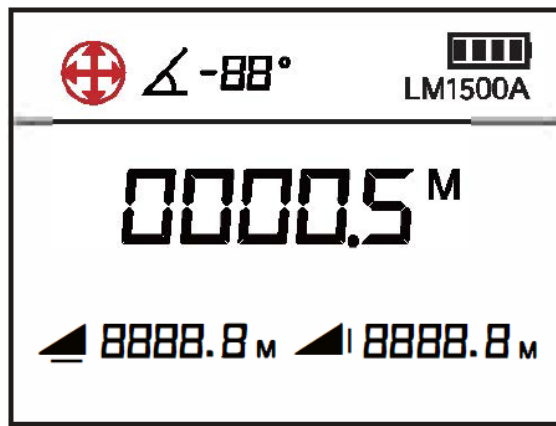
Display Indicators/Icons:



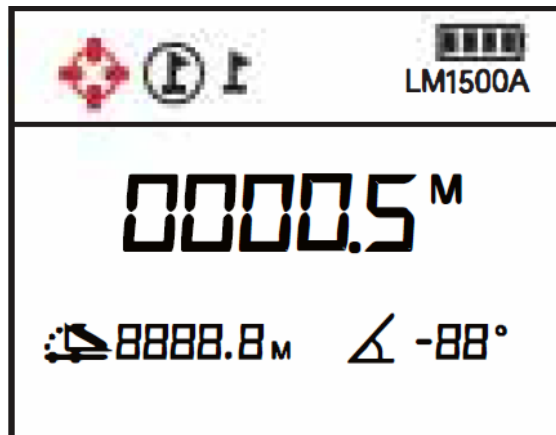
1. Linear distance mode
2. Flagpole lock mode
Flagpole unlocked:
Flagpole locked:
3. Measurement modes
4. Flash: Scanning mode
5. Uphill or downhill
6. Angle
7. Units (m: meter/Y: yard)
8. In linear distance mode: Display actual distance
In flagpole lock mode: Display flagpole distance
In height and horizontal mode: Display actual distance
In area measurement mode: Display measurement points P1 and P2
In volume measurement mode: Display measurement points P1, P2 and P3
9. Aiming circle/dot
Target seeking: () flashes
Target sought: G flashes
10. Height and horizontal measurement
11. M1 displays height and horizontal distance
M2 displays compensation distance
M3 displays speed
M4 displays length, width, area + angle
M5 displays length, width, height, volume + angle

External Screen

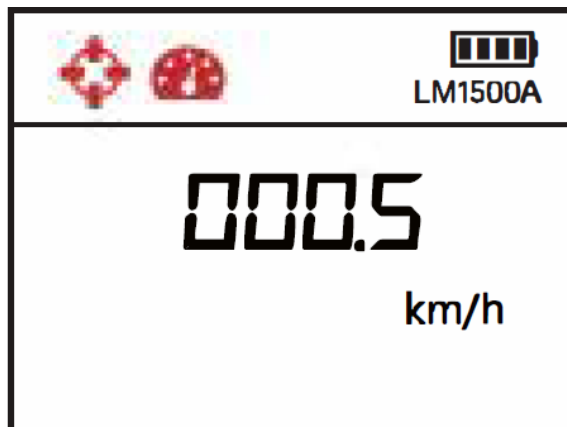
- M1 :Linear distance+ horizontal distance/height + angle



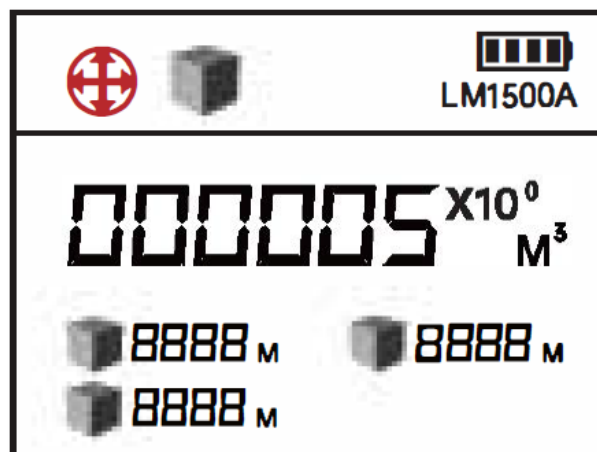
- M2: Linear distance + compensation distance + flagpole distance + angle



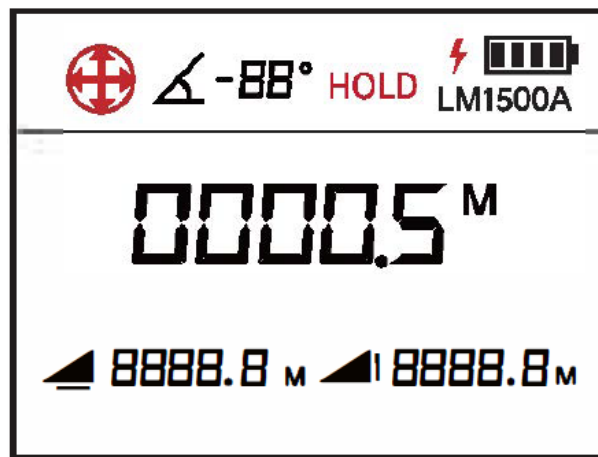
- M3: Speed measurement mode



- M4: Length, width, area+ angle

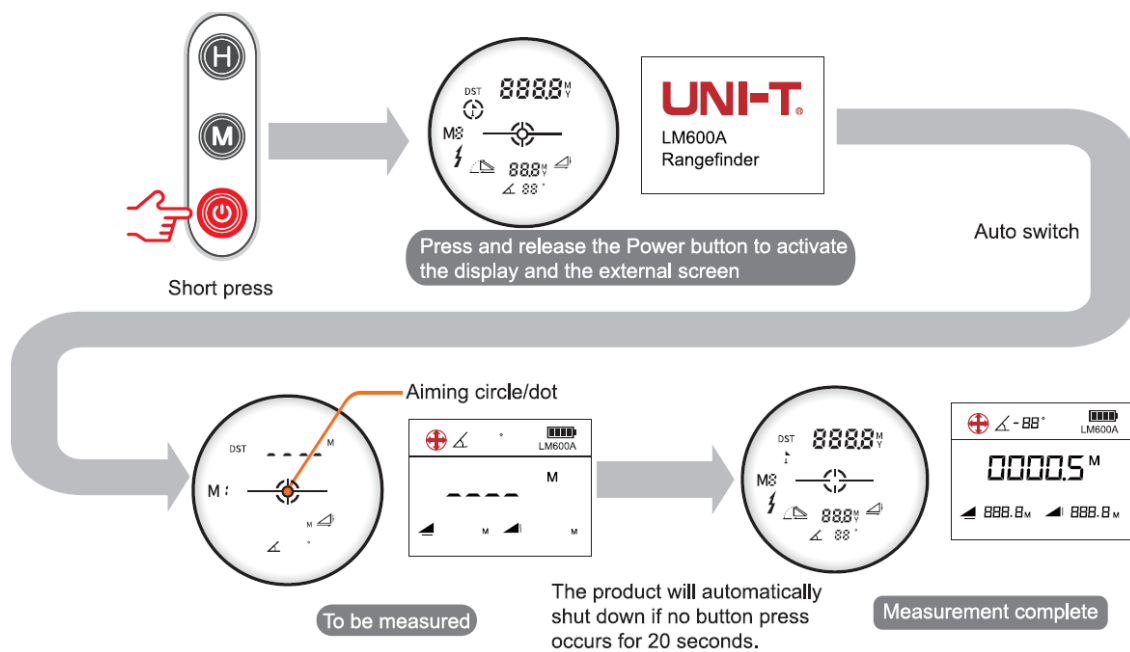


- M5: Length, width, height, volume + angle

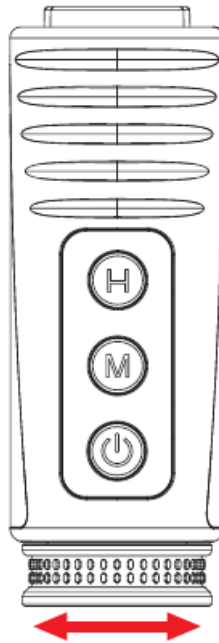


1. HOLD: Hold, return or clear
2. When the power is low, the battery frame of the external display screen flashes for alarm
3. Lighting symbol prompt is displayed during charging
4. LED light at the charging port of the product, red means charging, green means full

PowerOn

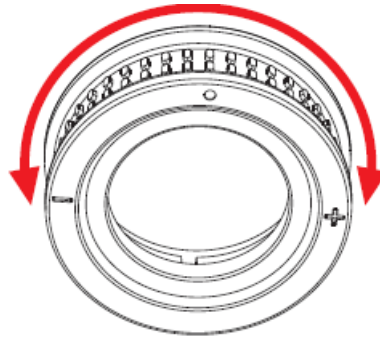


Rotary Focusing Ring



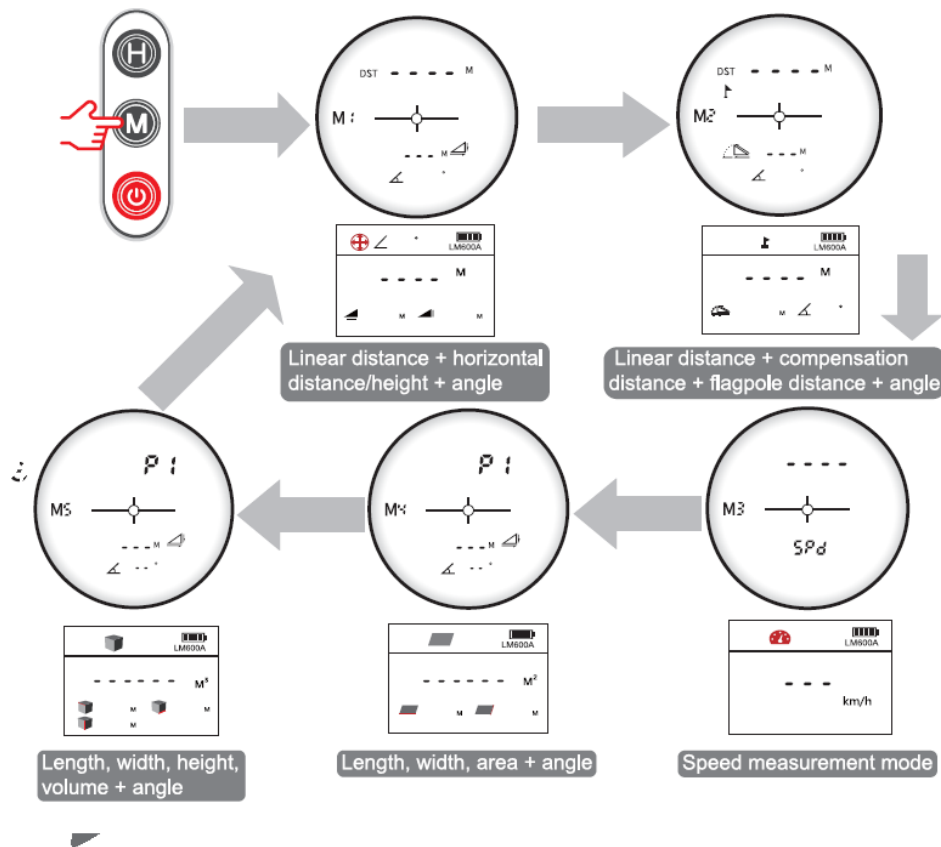
“+” and “-” on the knob indicate the direction

Users who can't see close (e.g., farsighted) should rotate in the “+” direction, and users who can't see far (e.g., nearsighted) should rotate in the “-” direction. Rotate the knob to match eye distance with pupil distance.



Modes

Short press **M** to switch between different modes. There are 5 modes:

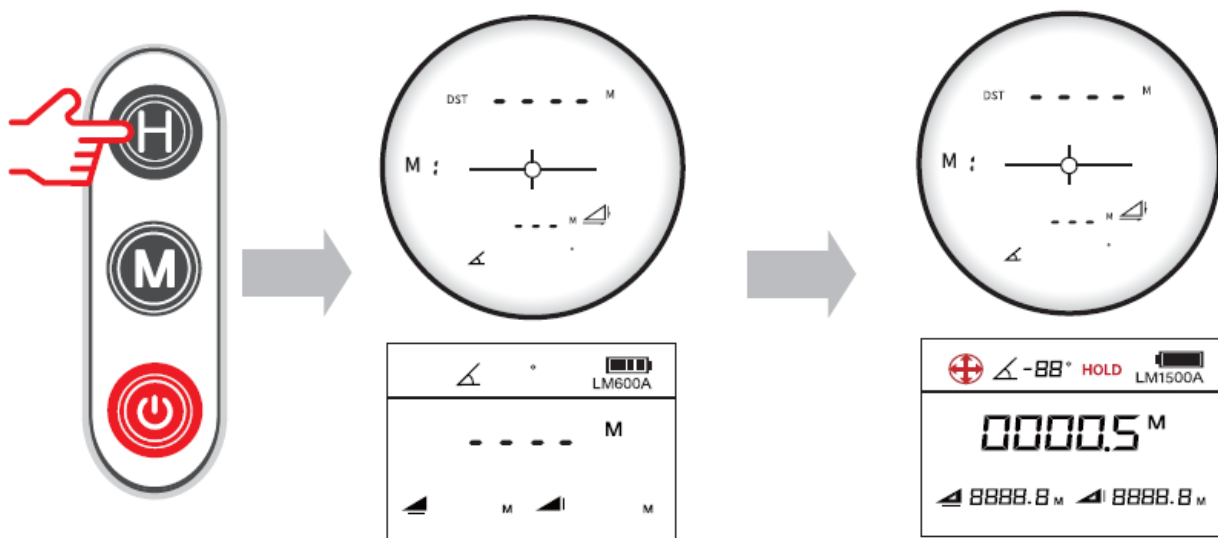


1. M1: Linear distance+ horizontal distance/height + angle
2. M2: Linear distance + compensation distance + flagpole distance + angle
3. M3: Speed measurement mode
4. M4: Length, width, area + angle
5. M5: Length, width, height, volume+ angle

Units and HOLD

• Units

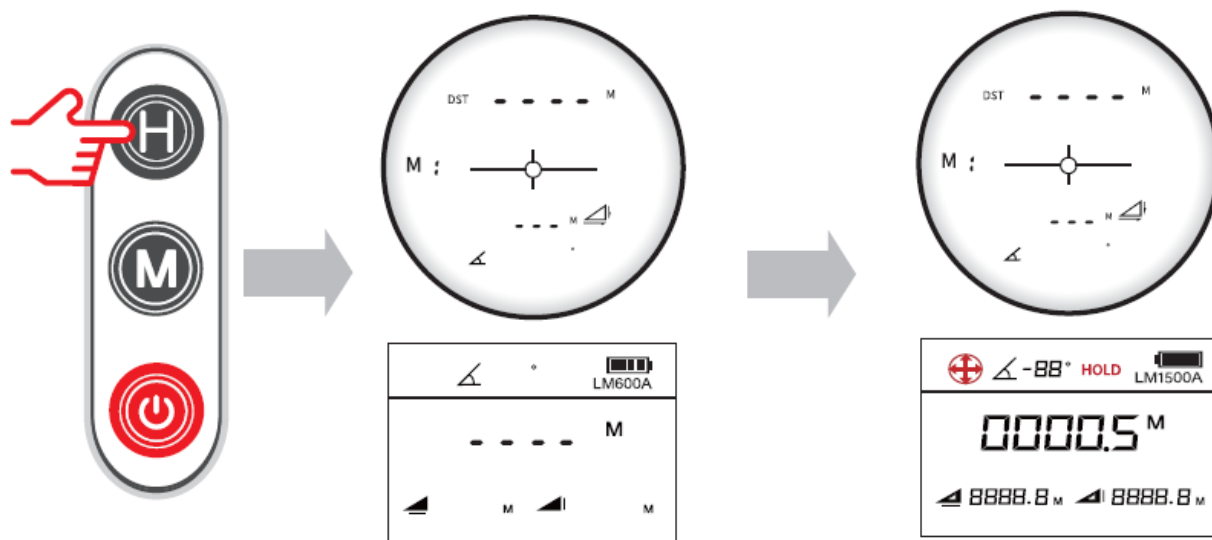
In M1 or M2 mode, long press **M** for 3s to switch between units (meter/yard).



• HOLD

In any mode, long press **O** for 3s to enter the HOLD mode. The rangefinder will remain turned on. Short press **O** to exit the HOLD mode. The rangefinder will shut down after a period of time. To return or clear, users can

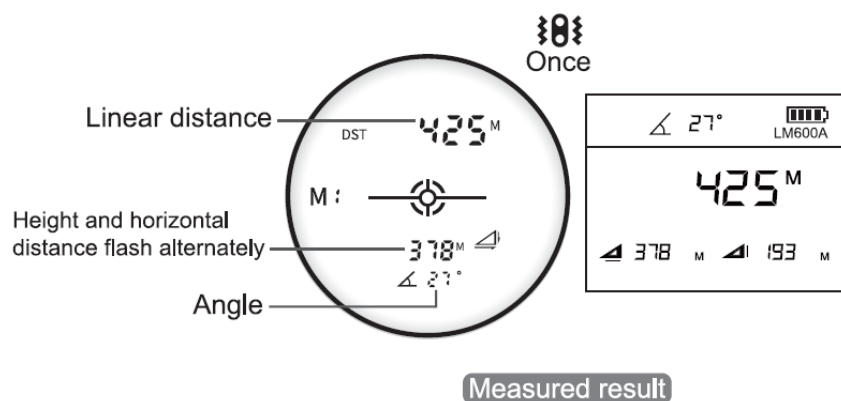
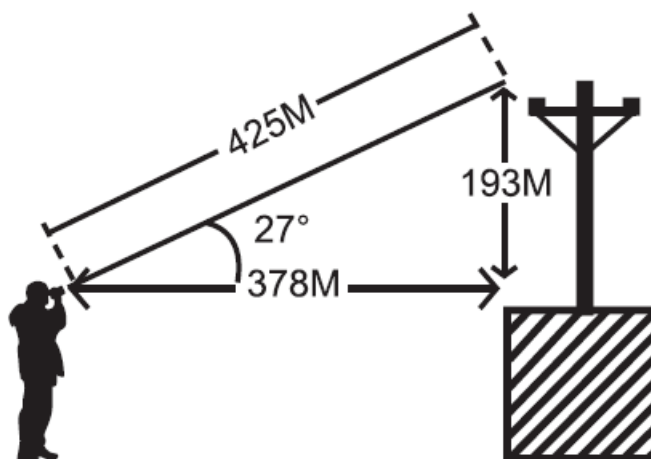
also short press **H**



Linear Distance

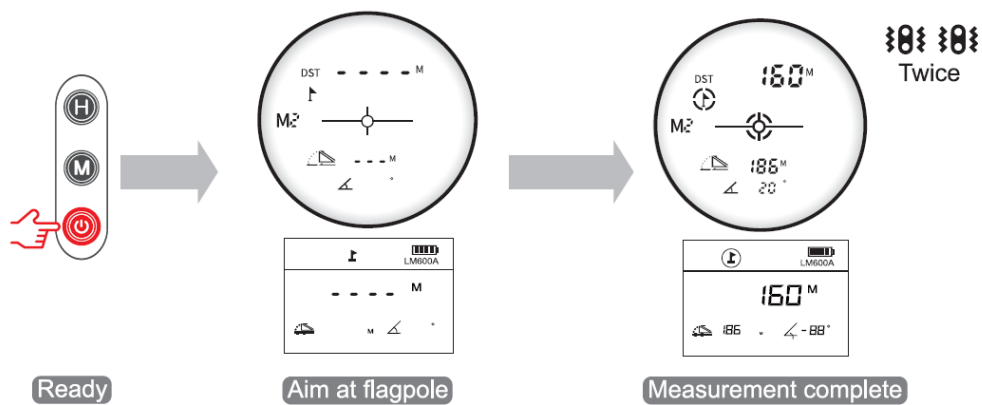
Measure the target distance, height and angle.

Single measurement: Short press Power Button to take a measurement. Continuous measurement: Long press Power Button to scan the laser across an area and get continuously updated range readings.



Flagpole Lock

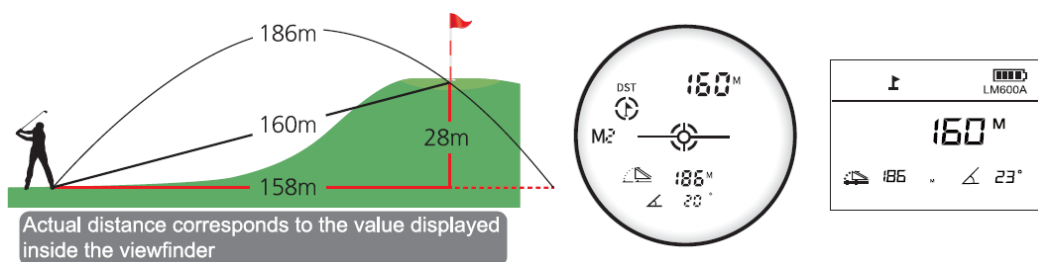
When measuring overlapping targets, long press Power Button to display the distance of the nearest target. For example, if it is not clear whether the measured target is the flag or the forest behind it, the product with the flagpole lock function will lock on the nearest target, the flagpole.



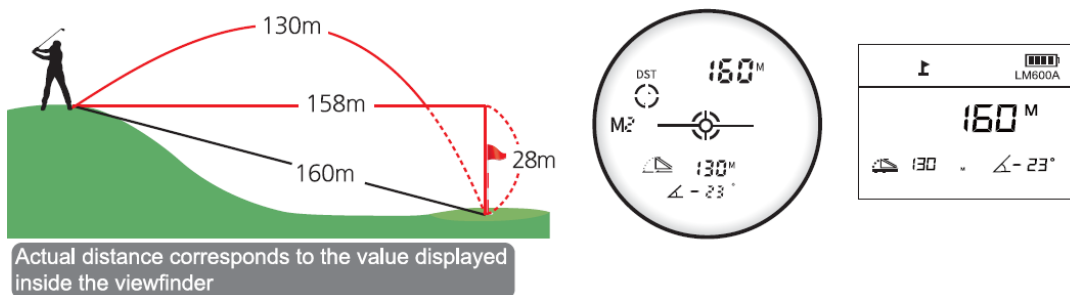
Golf Measurement

Long press Power Button to display the golf trajectory compensation distance, height and actual distance.

• Uphill

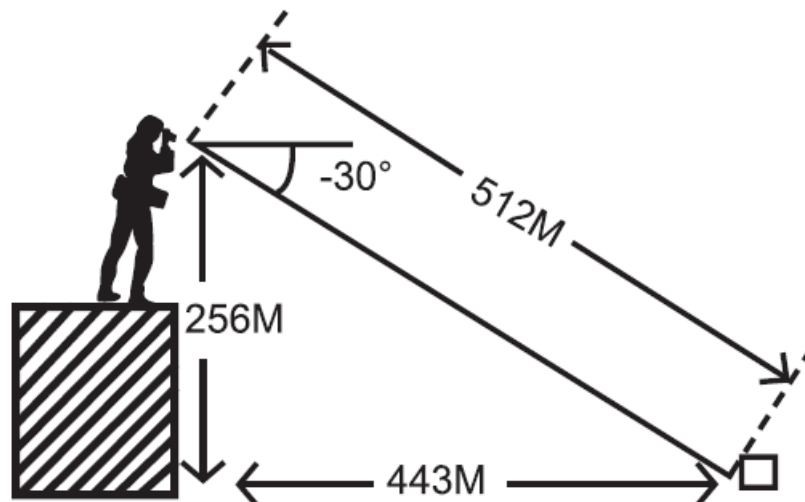


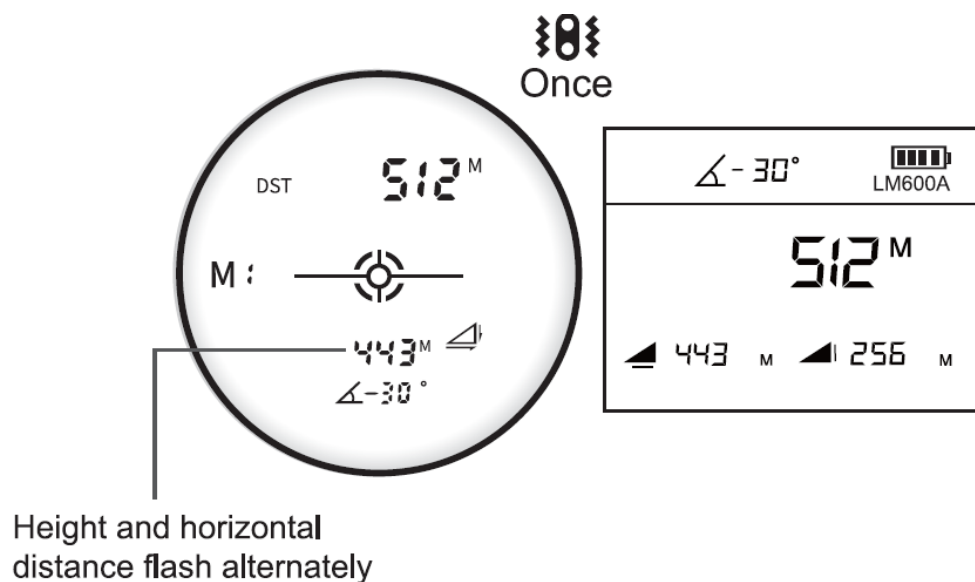
• Downhill



Height and Horizontal Distance

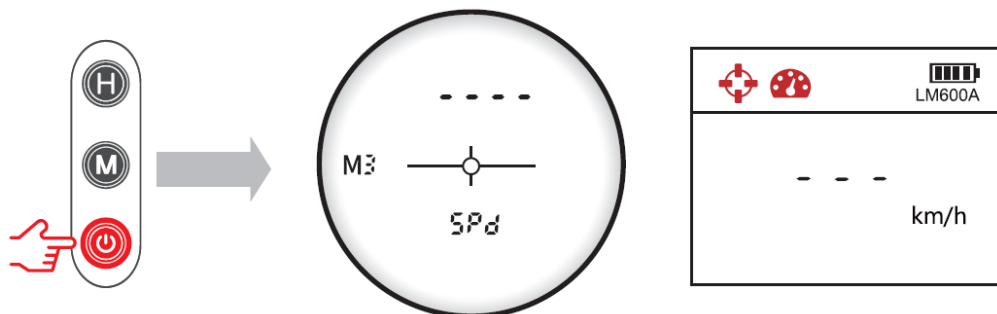
Short/long press Power Button to display the relative height and horizontal distance of the observer to the target.





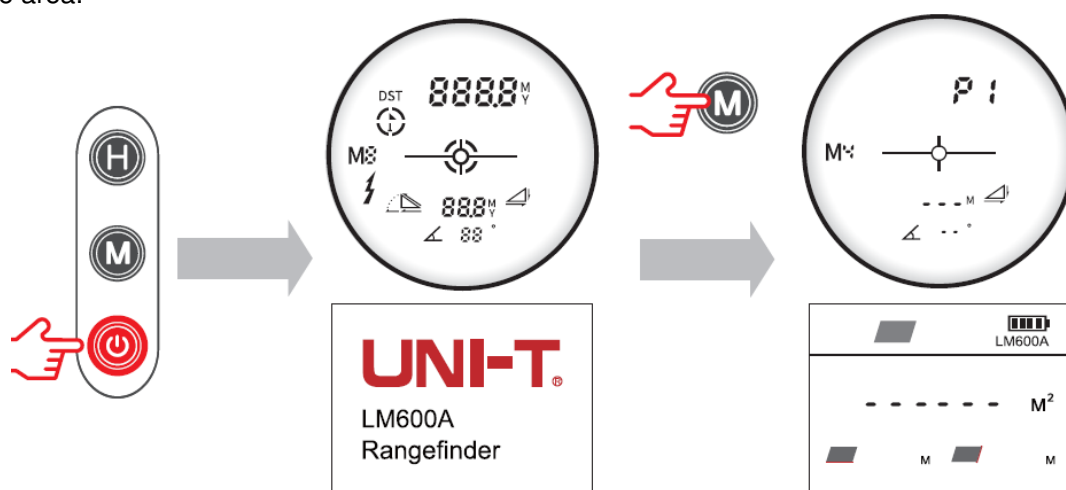
Speed Measurement

Press and hold Power Button and aim at the moving target. The product will calculate the target speed in real time and display it on the LCD.



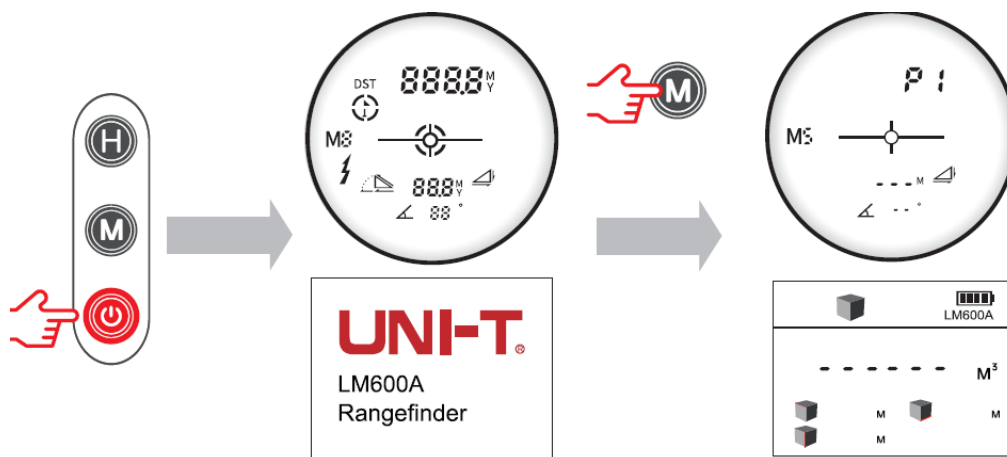
Area Measurement

In M4 mode, press Power Button to measure the length and width of the target. The product will automatically calculate the area.



Volume Measurement

In M5 mode, press Power Button to measure the length, width and height of the target. The product will automatically calculate the volume.



Cautions

The product emits an invisible and harmless infrared pulse laser which is then reflected back to the optical receiver on the product from the target. By measuring how long it takes each pulse laser to travel from the rangefinder to the target and back, the product system uses a precise charging circuit to calculate the measured distance in real time. The maximum measurement range of the product depends on the target's reflectivity, color, surface finish, size, and actual shape.

The following factors can ensure optimal range and accuracy:

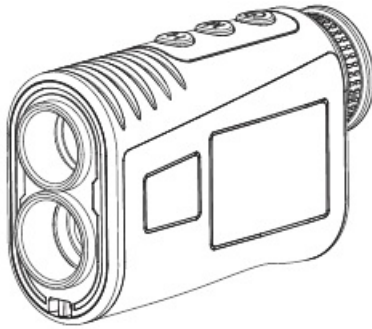
- Sunny weather
- Bright color targets
- Targets with a bright appearance
- No impurities in the air
- Targets with high reflective surfaces

The following factors cannot ensure optimal range and accuracy:

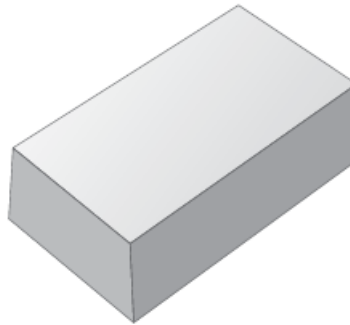
- Black targets
- Snow, rain or fog
- Targets with diffuse surfaces
- Small or micro targets
- Targets to be measured through glass
- Moving targets
- Strong light/sunlight
- When the battery status is , please charge the battery immediately.
- Do not touch the lens surface to protect the film layer.
- Do not disassemble the product. If it is damaged, send it to specialized departments for maintenance.
- Please wipe the lens gently with a cleaning cloth. Do not wipe with other objects.
- Avoid collision or heavy pressure when carrying.
- Do not bake or corrode the product.
- Store the product in a dry, cool and ventilated place, away from direct sunlight, dust and sudden temperature changes.
- Do not direct the product at the sun or strong light source.

Packing List

- Laser rangefinder



- Packing box



- Hand strap



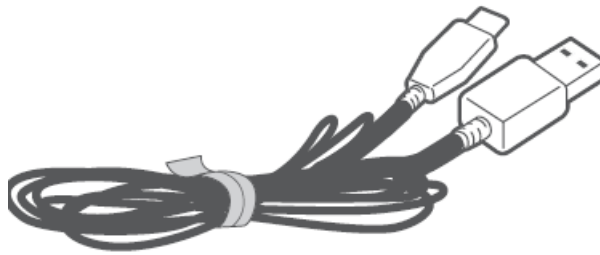
- Carrying bag



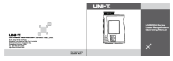
- User manual



- USB Type-C cable



Documents / Resources



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LM600A Series Laser Rangefinder, LM600A Series, Laser Rangefinder, Rangefinder