Laser Rangefinder

OLED

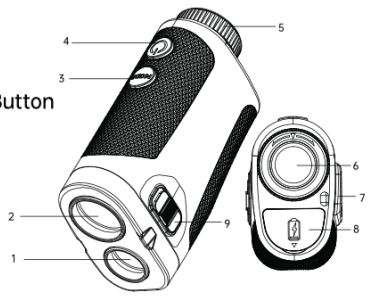
Instruction Manual

Thank you for choosing our product :

Model : TM1C

Component Description

1- Laser Receiving Lens
2- Laser Emitter/Objective Lens
3- Mode/Unit Select Button
4- Power/Measure/Brightness Button
5- Focusing Ring
6- Eyepiece
7- Strong Magnet
8- USB-C Charge Port
9- Horizontal/Height Value Switch (ON / OFF)



Reflective OLED Display

■ 100% Optical Transmittance

	<Actual Distance> M1 <Mode Icon> M/Y <Unit Icon(meter / yard)> <Battery Indicator> <Measure Icon>
	<Horizontal distance Value> <Height Value> <Angle Value> <Vibration Icon>

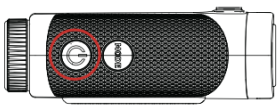
Operation Instruction and Settings

Eyepiece

Eyepice Focus is adjustable as shown in picture. Rotate the ring clockwise or counter clockwise to adjust for the perfect focus for your eyes.

1. Adjust magnifications (7X)
2. Adjust the reading display (to make the reading appear clearly)

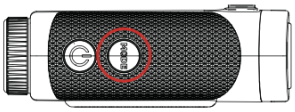
Power/Measure/Brightness Button



1. Press "⏻" button for over 3 seconds to change the display brightness of the rangefinder before turned on.
2. Press "⏻" button for a split second to power on the rangefinder.
3. After powering up, short press the button for point-to-point distance measurement.
4. After powering up, Hold down the button while ranging, the data on the screen will change as you move (aplicable to M1, M2).

* Rangefinder will power off automatically after 10 seconds of inactivity to save power.

Mode/Unit Select Button



1. Press "**MODE**" button for 3 second to change the change units, M(meter), Y(yard).
2. Press "**MODE**" button for a split second to change the modes.

Battery

This rangefinder is charged by USB rechargeable Li-battery.
It supports about 10000 measuring times.
When the low battery indicator starts shining on the screen, it means you need to recharge the battery.

Strong Magnet

This rangefinder bulit-in a strong magnet, can be easily placed on any metal surface.

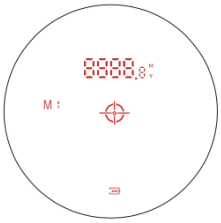
Mode Change

Press the "**MODE**" button to change measuring mode between following modes.

M1 - **Point to point measure**

Short press " ", point-to-point distance ;

Long press " " button to continuous scan.



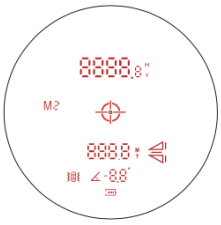
M2 - **Point to point measure**

Short press, point-to-point distance (with vibration);

Long press to scan (continuous distance measurement).

(point-to-point distance+Horizontal distance/height+Angle)

The side switch controls the display of horizontal / height in M2



Technical Data

Measuring distance	3-1000 (M)
Magnification	7X
Field of view	122 m (7° angle of view)
Objective lens diameter	25 mm
Eyepiece diameter	17 mm
Exit pupil diameter	3,6 mm
Exit pupil distance	17,6 mm
Display screen	OLED
Laser type	905 nm, classe 1 (safe to eyes)
Lens coating	Fully Multi-coated (FMC)
Battery/Power source	3.7V 750mAh (Rechargeable) Type-C - USB
Measurement time	0,3 à 1 s
Distance measurement accuracy	± 1 m ou 0,1 %
Angle measurement range	± 45°
Net weight	199 g (0,439 lb)
Dimensions	110 x 55 x 30 mm
Low battery indicator	Yes
Scan mode	Yes
Waterproof	Yes / IP54
Operating temperature	-10°C to +50°C. / 14°F to 122°F

Packing Details

Rangefinder *1
User Manual *1
Carring Case *1
USB Cable *1
Lanyard *1
Carabiner *1
Cleaning Cloth *1
Desiccant *1

Notice

1. In order to protect the coating of the lens, do not use our fingers to touch the surface.
2. Laser rangefinder has been precisely calibrated by instruments, please don't disassemble by yourself. Please send the device back to the dealer for repairing when needed.
3. If lens becomes dirty, please wipe gently with cleaning cloth, do not use other objects to wipe it.
4. Avoid collision or heavy pressure when carrying or using it, especially keep away from baking or corrosion.
5. Keep the product away from moisture during storage. Please keep it in a dry,cool, and ventiliated place, and avoid direct sunlight, dust and temperature shock.
6. Rain and fog weather will affect the laser raypath, which may cause measurement error. When the weather is very adverse, it may cause the measurement mistakes.

Factors affecting the distance measurement and accuracy

Laser reflection:

The rangefinder to measure the distance by the time spend when laser light travel back and forth. Based on the pulse laser principle, larger the target or flatter or lighter the surface, have reflection effect on the light wave. Then more light waves are received, a measurement can be more accurate. On the contrary, it will affect the accuracy of the measurement.

Influence of glare:

The rangefinder applied 905nm laser, which same as the sunlight 905 band wavelength. If the sunlight is very bright even glaring, it will interface with the light returning and reduce the measure distance.

Warning

Do not stare into the laser beam.

Eyes can be permanently damaged looking into the sun with this device.Do not aim at the sun with device or permanent damage to components inside the device may occur.

Keep the eyepiece away from direct sunlight.

Do not put the device in environment out of temperature range of -10 ~60°C.