



TANGOINNOS

TOMAHAWK2000B

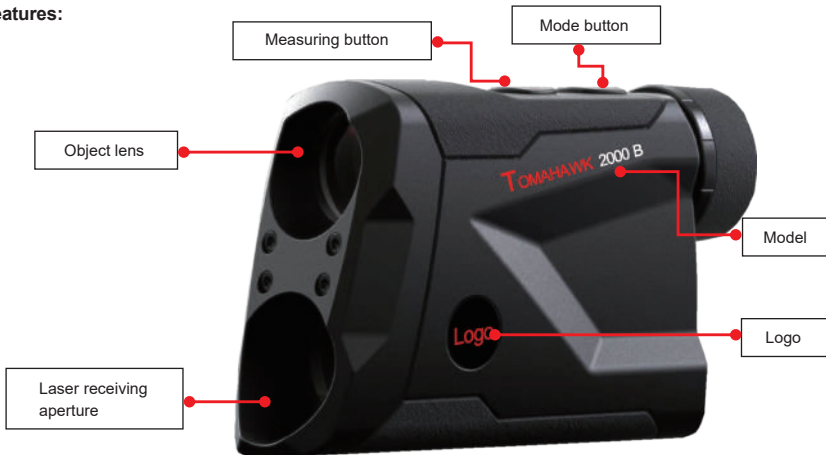
RANGEFINDER

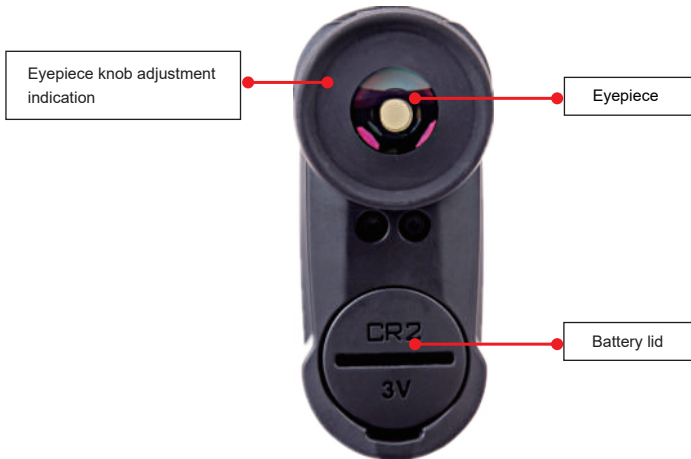
Product standard configuration: hang rope, lens cloth, Battery cover wrench, Cloth bale

The measuring range of this series of rangefinders is defined under the following conditions:

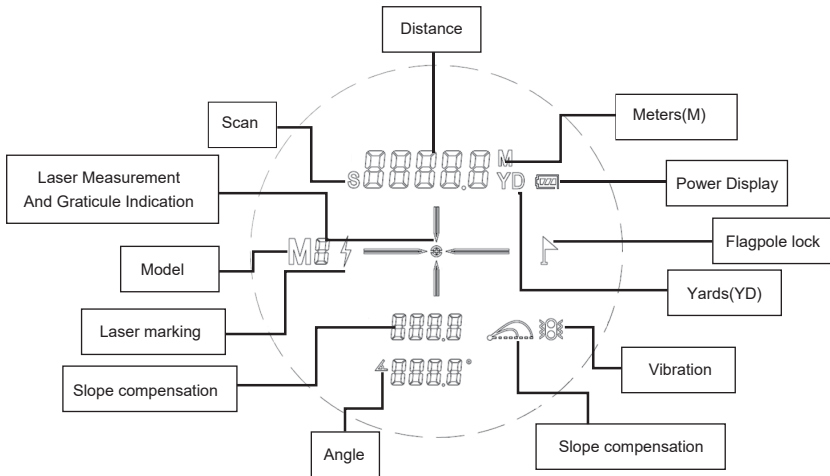
1. Measuring target is of moderate reflectivity, such as building walls
2. Measuring targets' reflective surfaces are perpendicular to the laser
3. The weather for measuring should be sunny but not under direct sunlight
4. The size of reflective measuring surface should be no less than 2m*2m

Features:





LCD DISPLAY



Applications and main product features

1. The product has a 6x optical viewing system fulfilling the measuring function. It can be customized according to customer requirements; for detailed information, please contact the local dealer.
2. The product is gracefully designed under the concept of human engineering
3. The product waterproof ability meets up with the class of IP54 (Not for underwater use)
4. The product has automatic shutdown function (8 seconds if unattended).

Measuring objects

The laser rangefinder is suitable for measuring high reflectivity objects (such as highway signs), moderate reflectivity objects (such as building walls) and low reflectivity objects (such as trees, golf flag etc). The measuring range will be shortened as reflectivity declines.



Moderate reflective object



High reflective object



Low reflective object

Other Considerations

1. Generally, the higher the reflectivity of the objects the better the ranging ability is. For example, for moderate reflectivity objects, the measuring range can be up to 1,500 meters. For high reflective objects, the measuring range is beyond 1800 meters. But for low reflectivity ones, the figure is 800 meters.
2. Under the same conditions, the ranging ability will be better if the measured object is vertical with the laser. In some extreme situations, it's possible that the measuring range cannot meet the ranging ability specified in the manual.

3. Under the same conditions, the size and shape of the objects may influence the ranging ability. If the surface measured is small, and behind it are other objects, the laser rangefinder will only get the range of the first reflective object.

Precautions:

Do not stare at the laser beam for a long time.

The product's safety meets up with FDA Class 1 on vision, which means that under the condition of ordinary use, there is no risk of staring at the laser. However like any other laser device, proper precautions should be taken during the operation. It is recommended that not to stare at the laser emission hole while operating. Using other optical instruments together with this product may injure the eyes.

Do not measure the sun.

Measuring the sun through this product may cause permanent eye injury.

Do not target directly at the sun.

The internal components of lens system will get permanent damage when lens is placed directly under the sunlight, even for a short time.

Do not place the eyepiece under direct sunlight.

Place the eyepiece under direct sunlight may damage the internal display.

Do not store or use the product in extreme temperature conditions.

The temperature range for using the product is -4°F to + 140°F (0°C to 50°C). Do not store or use the product beyond the above temperature conditions.

Specifications

Technical Data	Performance parameter
Model	TOMAHAWK 2000B
Measuring Range	0 - 2000YD
Accuracy	±1YD
Function of measuring height and angle	Yes
Angle measuring accuracy	±0.5°
Angular range	±90°
Bluetooth	optional
Scan	yes
Laser Wavelength	905nm (laser class 1)
Telescope Magnification	6x
Eyepiece lens diameter	16mm
Object lens diameter:	26mm
Field angle	5°
Battery	CR2-3.0V Measuring up to 5000 times.
Weight	195g
Waterproof	IP54
Dimensions	125mm*80mm*35mm
Operating Temperature	-10°C to 50°C
Blacklit	Red



Change units and measuring mode

Select display unit (factory default display unit is meter)

1. Press the RANGE button to start up, and confirm the normal power supply and display of the liquid crystal.
2. Press MENU button and hold for more than 2 seconds to activate unit switch. (M to YD) or (YD to M)
3. Press MENU to switch modes in the following order, After MENU button is released, you can switch and keep the Settings.

Feature selection

1. **M1** Single measurement: ranging + compensation distance + Angle + vibration

Long press RANGE key: ranging + compensation distance + Angle.

2. **M2** Golf mode: ranging + compensation distance + Angle + vibration

Long press RANGE key, continuous measurement lock, lock the target, vibration.

3. **M3** Golf mode: Ranging lock + vibration

Long press RANGE key, continuous measurement lock, after locking the target, the fuselage vibrates.



Figure 1
Ranging + compensation
distance + Angle + vibration



Figure 2
Ranging + compensation
distance + Angle + vibration



Figure 3
Ranging lock + vibration



Fail



Insufficient
electricity

Outline instructions

1. Install the lithium batteries (refer to the operating instruction for more details)
2. This product can be used by users with or without glasses.
3. Turn the eyepiece for a clear image.
4. Measure (While the rangefinder is off)
5. Automatic shutdown after 8 seconds if unattended.

Battery Instructions


Specification: 3 v, CR2 lithium battery

Status;



Full power:

Battery runs out and needs to be replaced:

(When the battery indicator flickers, the product stops  working)

Replace Battery

Open the battery lid by turning it counterclockwise, remove the old battery and replace it with the new battery. Make sure that you insert the new battery in the right direction (otherwise, the product will not work). Close the battery lid by turning it clockwise.



Battery Service Life

Continuous operation times: 5000 times. The figure will change due to different conditions in terms of reflectivity of measured objects and the working temperatures.

Battery Cautions

1. If handled improperly, the battery may cause leakage leading to equipment corrosion or clothing stain.
2. The battery should be installed with the “+,-” poles in right direction as labeled.
3. Please take out the battery if it runs out or not using it for a long time.
4. Please replace the battery with the same type.
5. Please don't put the battery together with metal such as keys and coins for it may cause overheating or short circuit of the battery.
6. Please don't charge the lithium battery or it may result in leakage or damage to the equipment.
7. Don't store the lithium battery in extreme temperature.

Remark:

Recommended to purchase special battery

Safe use

Please read the manual for safe considerations before using this product in order to avoid potential injury. Please place this manual where easy to refer to.

Product packaging and waste products should be treated or recycled follow the local law in a proper manner

Warnings

- Do not look at laser beam while using the product.
- Do not press the measuring button and mode button at the same time when lens aiming at object or checking optical system.



- Do not use other additional optical units to operate the product to avoid the risk of eye damage.
- Do not disassemble the product, otherwise the product will not be warranted by the manufacturer.
- Please put enough wrapping materials in the packing box to prevent goods' damages in transportation.
- Please remove the battery immediately and stop using the product if it falls onto the ground and generates abnormal sound.
- Please keep the product away from children. Don't put it on a high but uneven place to prevent goods' damages if it falls onto the ground.
- Do not place it in cars under direct sunlight or an environment with intense UV radiation or near a heat source, otherwise the product will be damaged.
- If the product is used under rapid-changing temperatures; the lens surface will be covered by fog. Please don't use the product before the fog evaporates.
- With unclear exterior lens please use soft and clean cloth to clear it up. Never touch the lens with fingertips in order to protect the film on its surface.
- Considering service life, it is suggested not to measure objects within 20 meters too often or measure objects with high reflectivity too close or too often.



FIELD NOTES

Tango Innovations Inc

www.tangoinnos.com