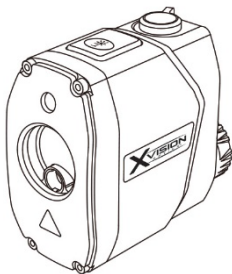




Impact Rangefinder 100
Thermal Laser Rangefinder
TSR100



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FCC WARNING

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

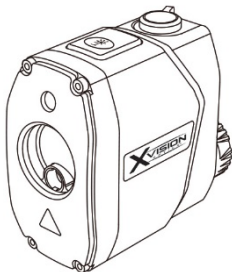
Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The device has been evaluated to meet general RF exposure requirement.

The device can be used in portable exposure conditions without restriction.

Product Overview



1	Power on/off button
2	Ranging button

Important Notes

This Manual is organized for the convenience of users to use and understand our products. We will do our best to ensure the accuracy of the contents of this Manual. However, we still cannot guarantee the completeness of the contents thereof. As our products are subject to continuous upgrading, we reserve the right to modify this Manual from time to time without prior notice.

Precautions

Danger

- 1) Please use proper battery charging procedures. Improper battery charging will cause heating, damage, and even physical injury.
- 2) Do not open or disassemble the battery at any time. If the battery leakage enters one's eye, wash the eyes with clean water immediately and seek medical care.

Warning

- 1) When using the device, please try to keep it stable and avoid violent shaking.
- 2) Do not use or store the device in an environment that exceeds the allowable working temperature or storage temperature of the device.
- 3) Do not knock, throw, or vibrate the device and accessories to avoid damage.
- 4) Disassembling the device may cause device damage and loss of warranty rights.
- 5) Do not use soluble or similar liquids on device and cables, which may cause damage to the device.
- 6) Please do not use the device in an environment that exceeds the operating temperature of the device, which may cause damage to the device.
- 7) Do not put the battery in a high-temperature environment or close to high temperature objects.
- 8) Do not short circuit the positive and negative poles of the battery.
- 9) Do not put the battery in a wet environment or water.

Storage and transportation:

Storage:

йч The storage environment of the packaged product is -22°F~140°F / -30°C~60°C, the relative humidity is not more than 95%, without condensation and corrosive gas, and is well ventilate.

кч Please recharge the battery every 3 months.

Transportation:

1. The laser rangefinder should be protected from rain, water, inversion, violent vibration and impact during transportation, and should be handled with care. Throwing is not allowed.

Mounting the Rangefinder

- Attach the provided Picatinny rail to the side of the X-Vision thermal scope using the provided screws.
- Attach the rangefinder to the Picatinny rail.

Instructions and Operation:

Buttons	Current Device Status	Operation	Response
Power on/off button	Power off	Move left	Power on and automatically connect the device
	Power on	Move right	Power off and turn off the power of the rangefinder
Ranging button	Ranging on	Short press	Refresh the distance
		Long press	Switch between single/continuous ranging mode
	Ranging off	/	/

1. Power button

Power on:

On the scope, select Ranging from the Main Menu (Other Settings) and turn on.

On the rangefinder, turn the power switch to the left to turn it on. The rangefinder Bluetooth will turn on and automatically connect with the Bluetooth of the scope.

After connecting to the device, the rangefinder enters single ranging mode by default.

Power off:

Move the power switch to the right to turn the rangefinder power off.

2. Ranging button

Ranging:

Long press the Ranging button to switch the ranging mode between single ranging and continuous ranging modes.

In the single ranging mode, short press the Ranging button to immediately refresh the current distance value.

In the continuous ranging mode, the distance value is refreshed automatically every second.

Troubleshooting

1. The rangefinder fails to connect with the Bluetooth of the device.
 - a) Restart the rangefinder or replace the battery. The Bluetooth connection is successful when the Bluetooth icon on the device stops flashing.
 - b) Make sure the ranging function of the device is turned on. Also verify the rangefinder is turned on.
 - c) Move the rangefinder close to the device so that the rangefinder and the device are within the range of connection.
 - d) Turn off the ranging function of other devices to make sure that the rangefinder is not connected to other devices.

1. No distance value is displayed on the device.
 - a) Be sure the target is within the range of the rangefinder (5yd~600yd). The rangefinder cannot measure a distance less than 5yd and greater than 600yd.
 - b) Make sure that no other objects are obstructing the sensor of the laser rangefinder.
2. The distance value on the device is not refreshed.
 - a) Short press the Ranging button to immediately refresh the distance value or long press the Ranging button to switch to the continuous ranging mode.

Specifications

Laser Wavelength: 905 nm

Laser Ranging Distance: 5 to 650 yd

Ranging modes: Single and Continuous

Power Supply: Rechargeable 16340

Battery Life: 2.5 hr

Bluetooth: Yes

Mount: Picatinny

Recoil Grade: 800 G

IP Rating: IP67

Weight: 0.37 lb

Dimensions: 2.8 x 1.3 x 2.4"

Compatible: X-Vision Optics Impact Series (TS150, TS250, TS350)

Accessories: Rechargeable 16340 Battery, Picatinny Mounting Rail, 4 Screws (*to mount*), Allen Wrench



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