

NSLRF501 Laser Rangefinder



User manual & Operation Guide

www.nikkostirling.com

Introduce:

This Laser Rangefinder Telescope is able to measure the distance as by emitting invisible, eye safe, infrared energy pulses to the target and instantaneously calculates ranges by measuring the time it takes for each pulse to travel from the rangefinder to the target and back.

Rangefinders are used in many sports, recreation and commercial environments.

Rangefinders ability to measure the distance to a target is determined by the size, colour and reflectivity of the target.

Please strictly observe the following guidelines so you can use the rangefinder properly and avoid potentially hazardous problems. Before using this product, please refer to the “Safety Precautions” and “Operating Instructions” sections of this manual.

FEATURES:

- Accuracy: +/- 1m
- Fast and easy to aim
- Water and dust resistant
- 10 second result display
- Compact and lightweight
- Ergonomic body
- Automatic shut-off after 10 seconds unattended
- Invisible and eye-safe laser; FDA Class I/CE
- Default to “Last Use” settings
- Diopter adjustment
- IP 6/6 Structure Protection level

• Measuring range (According to different target)

Accuracy of the Rangefinder is affected by the atmospheric conditions, weather, colour and the quality of reflectivity of the target. The Following table provides a guide to accuracy expectations of this Rangefinder.

A	Guideboard	800 meters 874 yards
B	House	550 meters 600 yards
C	Tree	400 meters 440 yards
D	Banner	160 meters 180 yards

TECHNICAL SPECIFICATIONS

Optical System

Magnification (X)	6
Objective Lens (mm)	20
Field of view (°)	6
Exit pupil (mm)	4.1
Display	LCD
Lens	Optical and Coating

Laser

Class	Laser Class 1
Wavelength	905 nm
Range	5-800 meter
Accuracy (m)	±1
Battery life (times)	3000
Battery type	AAA 1.5V*2
Weight (g)	220
Dimensions (mm)	109.5* 44.8* 91

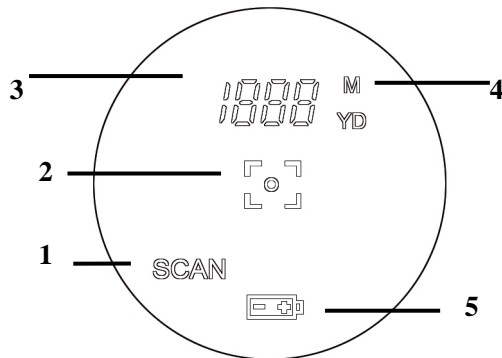
DIAGRAM:

1. Object Lens
2. Laser Receive
3. Laser Transmitting
4. Power Button
5. Mode Button
6. Battery Cap
7. Eye-piece



INTERNAL DISPLAY:

1. **SCAN:** Automatic Measure distance
2. **Round Symbol:** for aim to the object
3. **Distance:** display the distance of the object
4. **Measure unit:** meter and yardage
5. **Battery Hint:** when the battery are in low power will occur



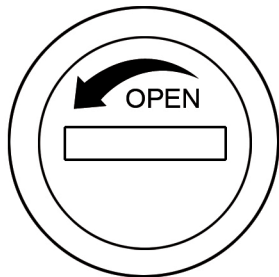
NOTICE:

When the rangefinder is operating in the SCAN mode it will continue to scan for 60 seconds. Should you not require scanning to continue please stop the scan mode or turn the power off to conserve the battery power.

OPERATING INSTRUCTIONS:

Please strictly observe the following guidelines so you can use the Rangefinder properly and avoid any potentially hazardous problems. The use of adjustments and controls, or performance procedures, in a way not specified herein may result in hazardous radiation exposure.

1. Battery installation: Install a battery in the battery compartment (AAA 1.5V*2 Battery). Please ensure the battery polarity is correct. See follow pictures.



When you insert the AAA battery in please check the polarity correctly.

There will be two symbol like “+” and “-” beprinted on the housing.

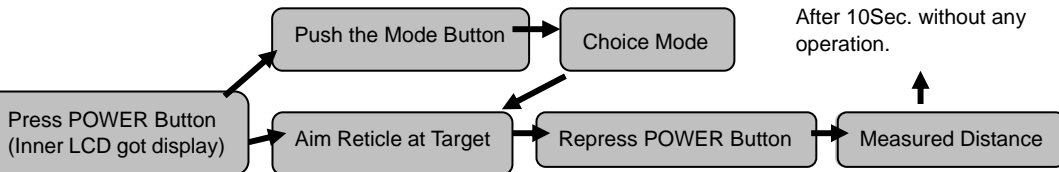
Rotate the battery cap according to the arrowhead

2. Diopter adjustment: Aim at the object and if the vision is not clear you can rotate the eyepieces to make the object clearer.

3. Measuring: To measure the distance to a target, follow these steps:

Result keeps Display in 10 seconds.

Automatic Turns Off After 10Sec. without any operation.



4. Selection of Unit of Measure: To change the Unit of Measure, hold down the MODE button for 3 seconds. The display will change between METERS and YARDS.

SAFETY PRECAUTIONS:

Please adhere to the following guidelines in order to use the rangefinder properly and to avoid any potentially hazardous problems. Keep this manual within reach for reference.

WARNING:

1. Do not aim at the sun as this may cause damage to your eyes
2. Do not press the POWER button while looking into the objective lens or the receiver aperture system as this may cause eye damage.
3. Do not operate the unit with other additional optical elements.
4. Do not disassemble the Laser Rangefinder as this will void all guarantees.
5. Do not point the rangefinder at other people.

CAUTION:

1. Do not leave the Laser Rangefinder within reach of small children.
2. Rain, water, sand and mud should be removed from the rangefinder body surface as soon as possible, using a soft, clean, dry cloth.
3. Although the Laser Rangefinder is water and dust resistant, it is not waterproof and should not be used in water.
4. Do not leave the Laser Rangefinder in an unstable place, as it may fall and cause damage to the equipment.

CARE AND MAINTENANCE:

1. When removing dust on the lens surface use a soft cloth or oil-free brush.
2. When removing stains or smudges, like fingerprints, from the lens surface, wipe the lenses very gently with a soft, clean cotton cloth or quality oil-free lens tissue. Use a small quantity of pure alcohol (not denatured) to wipe stubborn smudges. Do not use velvet cloth

or ordinary tissue, as it may scratch the lens surface. Once the cloth has been used for cleaning the body, it should not be used again for the lens surface.

3. The device is sophisticated with optical, mechanical and electrical components, Please handle with care. Impact from dropping is likely to cause damage to the rangefinder.
4. Never Point the product at yourself or other humans or eyes in case of damage to your eyes.

Trouble resolving:

1. If the units does not turn on work and also LCD no any display, Please check the battery compartment see if the batteries are installed correctly according to the polarity.
2. If the unit does not display the measuring range, check in the following sequence:

NO DISPLAY	CAN NOT MEASURE	ONLY SHORTDISTANCE
1. Pls check the polarity of the battery is correct.	1. Be sure you have already push the transmitting button(because first time for open the power and next will be for measure the distance)	1. Maybe the aim circle points are not correctly to the object.
2. Pls check the battery is powered.	2.Be sure the inner LCD got display	2. Maybe you have measured the front object when you measure a small object in far distance.
3. Pls push the power button more hardly to make it be connected.	3. Check if something blocks the object lens.	3. Make use two hands to hold it more stability for far distance measure in case of hands shaking..
4. Take out the battery and reload again.	4. When you measure one low reflectivity object. Pls continuous trigger the transmitting button until it comes to the result. If still no maybe the object are far over our measure performance.	4. Heave fogs. smoke, dirt, are not easy to measure

	5. The object are too close than 15meters.	5. The reflectivity of the object surface are too bad or the color are too dark.
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3. If the unit still does not work properly, contact your local dealer or the factory.

WARRANTY:

Your laser rangefinder telescope product is warranted free of defects in materials and workmanship for one year since the date of purchase (based on the date of invoice/receipt). In the event of a defect under this warranty, we will, at our option, repair or replace the product for free (including delivery charge). This warranty does not cover damages caused by misuse or improper handling. Also, this warranty is null and void if modification or maintenance is provided by others.

Upon expiration of the warranty you need to take the charge for whole replacement parts, labor and shipping.