

**Nikon**

*Laser Rangefinder/Télémètre laser*

En

Fr

# ***Forestry Pro II***

**Instruction manual/Manuel d'utilisation**

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# Introduction

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## ■ Read this first

Thank you for purchasing the Nikon Laser Rangefinder.

Before using the product, read this manual thoroughly to ensure proper use.

After reading this manual, keep it in a readily accessible place for future reference.

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### ● About the manual

- No part of the manual may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language in any form, by any means, without Nikon's prior written permission.
- Illustrations and display content shown in this manual may differ from the actual product.
- Nikon will not be held liable for any errors this manual may contain.
- The appearance, specifications, and capabilities of this product are subject to change without notice.

### ● About measurement results

This device is a basic rangefinder. Its measurement results cannot be used as official evidence.

### ● About controls for radio interference

- 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.
- 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 and to EU EMC directive. 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.
  - Consult the dealer or an experienced radio/TV technician for help.

Notice for customers in Canada  
CAN ICES-3(B)/NMB-3(B)

## ■ SAFETY AND OPERATION PRECAUTIONS

**Strictly observe the guidelines contained in this manual in order to use this product safely and prevent possible injury or property damage to you and others. Understand the contents thoroughly for correct use of the product.**

### **WARNING**

This indicates that improper use by ignoring the contents described herein can result in potential death or serious injury.

### **CAUTION**

This indicates that improper use by ignoring the contents described herein can result in potential injury or material loss.

## **SAFETY PRECAUTIONS (Laser)**

This product uses an invisible laser beam. Be sure to observe the following:

### **WARNING**

- Do not press the PWR button while looking into the laser emission aperture. You may damage your eyes.

- Do not aim at eyes.
- Do not point the laser at people.
- Do not look at lasers with other optical instruments such as lenses or binoculars. You may damage your eyes.
- When not measuring, keep your fingers away from the PWR button to avoid accidentally emitting the laser.
- When not in use for an extended period, remove the battery.
- Do not disassemble, remodel, or repair the product. The laser emission may be harmful to your health. If the product is disassembled, remodeled, or repaired, it is no longer guaranteed by the manufacturer.
- Store the product in a place out of reach of children.

## **SAFETY PRECAUTIONS (Monocular)**

### **WARNING**

- Never look directly at the sun, intense light, or lasers while using this product. It may seriously damage the eyes or cause blindness.

### **CAUTION**

- Keep the plastic bag used to wrap this product or other small parts out of reach of children. The bag may block their mouths and noses and cause them to suffocate.
- Be careful of children inadvertently swallowing small parts or accessories. If children swallow such parts, see a doctor immediately.
- Turn off this product when not in use.
- When carrying this product, store it in the case.
- If this product fails to operate correctly for any reason, discontinue use immediately and consult with a Nikon authorized service representative.

- Do not leave this product in an unstable place. It may fall and cause injury or malfunction.
- Do not use this product while walking. You may walk into something or fall and cause injury or malfunction.
- Do not swing this product by the strap. You may hit others and cause injury.
- The rubber parts of this product (such as the eyecup) or rubber parts of the included case and strap may deteriorate if used or stored for a long period of time. The deteriorated rubber may attach on clothes and cause stains. Check their condition before use, and consult with a Nikon authorized service representative if a defect is found.
- Using the rubber eyecup for extended periods of time may cause skin inflammation. If you develop any symptoms, stop use and see a doctor immediately.

## PRECAUTIONS (Lithium battery)

Incorrect use may cause the lithium battery to rupture or leak, which will corrode the device or stain your hands and clothing.

Be sure to observe the following:

- Install the battery with the + and – poles positioned correctly.
- Remove the battery when this is depleted or will not be used for extended periods.
- Keep the battery away from fire or water. Never disassemble the battery.
- Do not charge the lithium battery.
- Do not short the terminal of the battery chamber.
- Do not carry the battery together with keys or coins in a pocket or bag. You may short the battery and cause overheating.
- If liquid leaked from the lithium battery comes into contact with clothing or skin, rinse with plenty of water. If it enters the eyes or mouth, rinse with water and consult a doctor immediately.
- When disposing of the lithium battery, follow your local area regulations.

## HANDLING AND OPERATION PRECAUTIONS

- Do not subject this product to physical shock.
- If you accidentally apply strong physical shock or drop the product and suspect a malfunction, consult with your local dealer or a Nikon authorized service representative immediately.
- Do not use the product underwater.
- Wipe off any rain, water, sand, or mud on the product as soon as possible with a soft, clean cloth.
- When this product is exposed to extreme temperature changes (suddenly brought from a cold place to a warm place or vice-versa), the lens surfaces may get cloudy. Do not use the product until the cloudiness has disappeared.
- Do not leave the product in a car on a hot or sunny day, or near heat generating equipment.

- Do not leave the eyepiece in direct sunlight. The condenser effect of the lens may damage the internal display surface.



## CARE AND MAINTENANCE PRECAUTIONS

### LENS

Be careful that you do not directly touch the lens surface with your hands when cleaning it. Remove dust or lint with a blower\*. For fingerprints or other stains that cannot be removed with a blower, wipe the lens with a dry soft cloth or cleaning cloth for eyeglasses, using a spiral motion that starts at the center of the lens and working towards the edges. Wiping too firmly or wiping with a hard material may damage the lens. If this fails, gently wipe the lens using a cloth lightly dampened with commercial lens cleaner.

### MAIN BODY

After gently removing dust with a blower, clean the body surface with a soft, clean cloth. After use at a seaside, wipe off salt that may be on the body surface with a damp, soft, clean cloth, and then wipe with a dry cloth. Do not use benzene, thinner, or other cleaners containing organic solvents.

### STORAGE

Water condensation or mold may occur on lens surfaces because of high humidity. Therefore, store the product in a cool, dry place. After use on a rainy day or at night, thoroughly dry it at room temperature, then store in a cool, dry place.

\* A rubber cleaning tool that blows air from a nozzle.

### En Symbol for separate collection applicable in European countries



This symbol indicates that this battery is to be collected separately.

The following apply only to users in European countries.

- This battery is designated for separate collection at an appropriate collection point. Do not dispose of as household waste.
- For more information, contact the retailer or the local authorities in charge of waste management.

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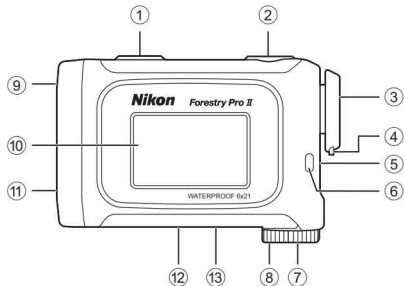
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# Description of parts and indicators

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## ■ Nomenclature/Composition



### Composition

- Body ×1
- Case ×1
- Strap ×1
- Lithium battery (CR2) ×1

- ① MODE button
- ② PWR button (POWER ON/Measurement button)
- ③ 6× monocular eyepiece
- ④ Eyecup/Diopter adjustment ring
- ⑤ Diopter index
- ⑥ Strap eyelet
- ⑦ Battery-chamber cover
- ⑧ Battery-chamber cover "Open" indication
- ⑨ Monocular objective lens/Laser emission aperture
- ⑩ External display
- ⑪ Invisible laser detector aperture
- ⑫ Product number label
- ⑬ Indication



IEC60825-1 CLASS 1M LASER PRODUCT  
DO NOT EXPOSE USERS OF TELESCOPIC OPTICS.  
FDA CLASS I LASER PRODUCT  
THIS PRODUCT COMPLIES WITH  
21CFR1040.10(c)(d)AND(e)  
CAN ICES-3(B)/NMB-3(B)  
MADE IN CHINA

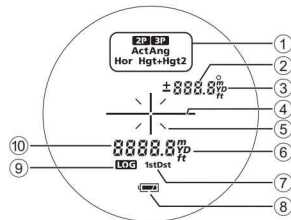
VER FC  
CE E10 EAC

NIKON VISION CO., LTD.

## ■ Indicators

### ● Internal display

- ① Measurement display mode\*<sup>1</sup>
- ② Distance or angle\*<sup>2</sup> (sub-indicator)  
- - - - : "Failed to measure" or "Unable to measure"
- ③ Unit of measure (°: angle in degrees/m: meter/YD: yard/ft: feet)
- ④ Target mark  
 : Aim at the target you want to measure.  
Position the target at the center of the mark.
- ⑤ Laser emission mark  
 : Appears while the laser is being emitted for a measurement. Do not look towards the objective lens side while this mark is shown.
- ⑥ Unit of measure (m: meter/YD: yard/ft: feet)
- ⑦ Target Priority mode (1st: First Target Priority mode/  
Dst: Distant Target Priority mode)
- ⑧ Battery level indicator
- ⑨ Log indicator\*<sup>3</sup>
- ⑩ Distance or height\*<sup>2</sup> (main indicator)  
- - - - - : "Failed to measure" or "Unable to measure"



\*<sup>1</sup> See page 20 for more information.

\*<sup>2</sup> Varies depending on the measurement display mode.

\*<sup>3</sup> See "Log indicator" (page 10) and "Enabling or disabling the log function (F4)" (page 15) for more information.

- The internal display of this product is enlarged by the eyepiece. Although you may see dust that has entered, it does not affect the accuracy of measurement.

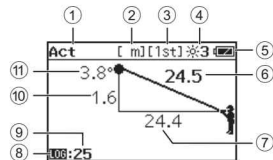
## ● External display

- ① Measurement display mode\*<sup>1</sup>
- ② Unit of measure (m: meter/YD: yard/ft: feet)
- ③ Target Priority mode (1st: First Target Priority mode/  
Dst: Distant Target Priority mode)
- ④ External display backlight level
- ⑤ Battery level indicator
- ⑥ Actual distance
- ⑦ Horizontal distance
- ⑧ Log indicator\*<sup>2</sup>
- ⑨ Log number\*<sup>2</sup>
- ⑩ Height
- ⑪ Angle

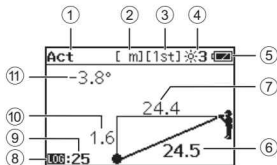
\*<sup>1</sup> See page 20 for more information.

\*<sup>2</sup> See "Log indicator" (page 10) and "Enabling or disabling the log function (F4)" (page 15) for more information.

When measuring upward



When measuring downward



## ● Log indicator

Internal display	External display	Description
Blinks.	Blinks.	The log function is enabled but new logs are not saved because the maximum of 250 logs has already been saved.
Displayed continuously.	Displayed continuously.	The log function is enabled. If the measurement is successful, the log number is displayed on the external display.
Not displayed.	Not displayed.	The log function is disabled.

## Inserting the battery









### ■ Type of battery

3V CR2 lithium battery ×1

### ■ Inserting the battery

1. Rotate the battery-chamber cover counterclockwise to open it.
2. Insert the battery with the positive (+) and negative (-) terminals oriented correctly as described on the label in the battery chamber.
3. Attach the battery-chamber cover, rotate the cover clockwise, and secure it firmly.
  - The battery-chamber cover may be difficult to rotate because this product uses a rubber seal to maintain its waterproof capabilities.

### ■ Battery level indicator

Internal display	External display	Description
 After power on, displays for 2 seconds only.	 Displayed continuously.	Sufficient power available.
 After power on, displays for 2 seconds only.	 Displayed continuously.	Power getting low. Prepare to replace the battery.
 Displayed continuously.	 Displayed continuously.	Low. Battery should be replaced with a new one.
 Blinks. After blinking 3 times, automatically powers off.	 Blinks. After blinking 3 times, automatically powers off.	The battery is empty. Replace the battery.

## Navigating the menus

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- Operating the MODE button

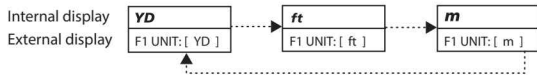
There are two ways to press the MODE button. Operate the button while following the descriptions in this manual.

- "Press and hold" means to continue pressing the button for 1.5 seconds or longer.
- "Press" means to press the button quickly (less than 1.5 seconds).

### ■ Changing the distance display unit (F1)

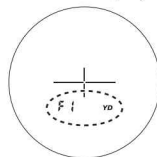
For the display unit of the measurement results, select YD (yards), ft (feet), or m (meters). Factory default setting is YD (yard).

1. Press the PWR button to turn on the Laser Rangefinder.
2. Press and hold the MODE button.
  - You can now change the distance display unit.
3. The setting switches every time you press the PWR button.



- If you press and hold the MODE button or do not operate the buttons for about 30 seconds, the displayed setting is saved and the Laser Rangefinder returns to standby. If you do not operate the buttons for about another 30 seconds, the Laser Rangefinder turns off.
- The setting is saved even when the Laser Rangefinder is turned OFF.

Internal display



External display

Setting	1/2	※3
F1 UNIT	: [ YD ]	
F2 DIST	: 133"	
F3 IL	: 3 High	
F4 Log	: 0n	
F5 Log list		

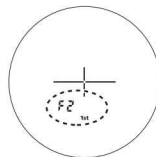
## ■ Changing the target priority mode (F2)

This Nikon Laser Rangefinder employs the First Target Priority/ Distant Target Priority switching system.

Factory default setting is First Target Priority mode.

1. Press the PWR button to turn on the Laser Rangefinder.
2. Press and hold the MODE button.
3. Press the MODE button once.
  - You can now change the target priority mode.
4. The setting switches every time you press the PWR button.

Internal display

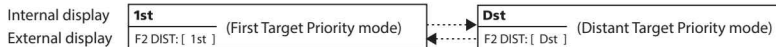


External display

```
Setting 1/2 *3
E1 UNIT : m
F2 DIST : [ 1st ]
F3 TL : 3 HIGH
F4 Log : On
F5 Log list
```

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- If you press and hold the MODE button or do not operate the buttons for about 30 seconds, the displayed setting is saved and the Laser Rangefinder returns to standby. If you do not operate the buttons for about another 30 seconds, the Laser Rangefinder turns off.
- The setting is saved even when the Laser Rangefinder is turned OFF.

### ● First Target Priority mode and Distant Target Priority mode

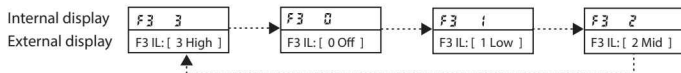
When measuring overlapping subjects:

First Target Priority mode displays the distance of the closest subject and Distant Target Priority mode displays that of the farthest subject.

## ■ Changing the external display backlight level (F3)

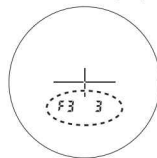
Adjust the brightness of the external display. The factory default setting is 3 (High). You can change the backlight level from 0 (off) to 3 (high).

1. Press the PWR button to turn on the Laser Rangefinder.
2. Press and hold the MODE button.
3. Press the MODE button twice.
  - You can now change the external display backlight level.
4. The setting switches every time you press the PWR button.



- If you press and hold the MODE button or do not operate the buttons for about 30 seconds, the displayed setting is saved and the Laser Rangefinder returns to standby. If you do not operate the buttons for about another 30 seconds, the Laser Rangefinder turns off.
- The setting is saved even when the Laser Rangefinder is turned OFF.

Internal display



External display

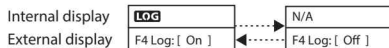
Setting	1/2	*3	OK
F1 UNIT	:	m	
F2 DIST	:	1.0	
F3 IL	:	[3 High]	
F4 Log	:	Un	
F5 Log list			

## ■ Enabling or disabling the log function (F4)

You can enable or disable the measurement log function. The factory default setting is On.

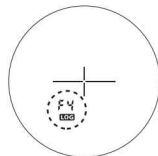
- If the measurement is successful, the log number is displayed on the external display. The number corresponds to the number in the log list (page 16).
- A maximum of 250 logs can be saved. When the log indicator on both the internal and external display blinks (page 10), new logs cannot be saved. Delete logs using F6 (page 17).

1. Press the PWR button to turn on the Laser Rangefinder.
2. Press and hold the MODE button.
3. Press the MODE button three times.
  - You can now change the setting.
4. The setting switches every time you press the PWR button.



- If you press and hold the MODE button or do not operate the buttons for about 30 seconds, the displayed setting is saved and the Laser Rangefinder returns to standby. If you do not operate the buttons for about another 30 seconds, the Laser Rangefinder turns off.
- The setting is saved even when the Laser Rangefinder is turned OFF.

Internal display



External display

Setting	1/2	※3
F1 UNIT	:	m
F2 DIST	:	1st
F3 J1	:	3 H.Lpb.
F4 Log	:	[ On ]
F5	:	Log List

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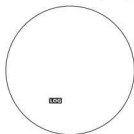
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## ■ Viewing the log list (F5)

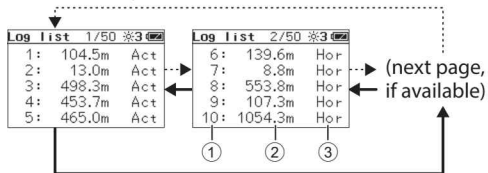
You can view the measurement log on the external display.

1. Press the PWR button to turn on the Laser Rangefinder.
2. Press and hold the MODE button.
3. Press the MODE button four times.
4. Press the PWR button to enter the log list mode.
  - Every time you press the PWR button, the page changes.
  - Every time you press the MODE button, the page changes in reverse.

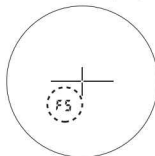
### Internal display



### External display



### Internal display



### External display

Setting 1/2 *3	
F1 UNIT :	m
F2 DIST :	1st
F3 IL :	3 High
F4 IL :	00
F5 Log list	

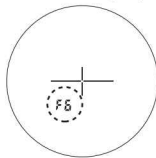
- ⋯→ Press the PWR button.
- Press the MODE button.
- ① Log number
- ② Measurement result
- ③ Measurement display mode

- If you press and hold the MODE button or do not operate the buttons for about 30 seconds, the Laser Rangefinder returns to standby. If you do not operate the buttons for about another 30 seconds, the Laser Rangefinder turns off.
- A maximum of 250 logs (50 pages) can be displayed.

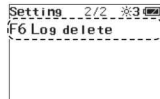
## ■ Deleting all logs (F6)

1. Press the PWR button to turn on the Laser Rangefinder.
2. Press and hold the MODE button.
3. Press the MODE button five times.
4. Press the PWR button.
5. The message “Log delete?” is displayed on the external display.
  - Press and hold the PWR button to delete all logs. **Data that has been deleted cannot be recovered.**
  - Press the MODE button to cancel the deletion.
6. The Laser Rangefinder returns to the “F6 Log delete” screen.
  - If you press the MODE button or do not operate the buttons for about 30 seconds, the Laser Rangefinder returns to standby. If you do not operate the buttons for about another 30 seconds, the Laser Rangefinder turns off.

Internal display



External display

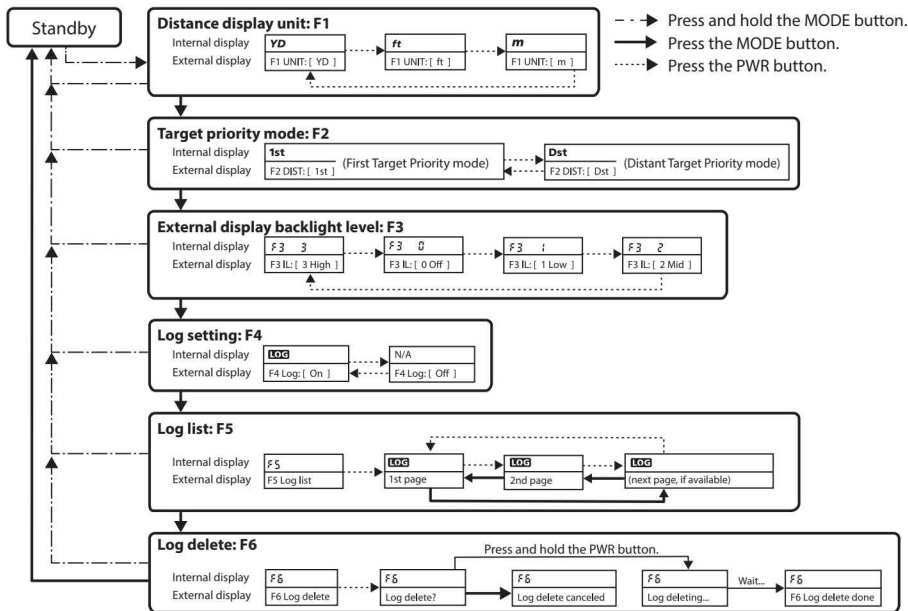


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## ■ Operation diagram of the setting menus

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- If you press and hold the MODE button or do not operate the buttons for about 30 seconds while operating the setting menus, the Laser Rangefinder returns to standby. If you do not operate the buttons for about another 30 seconds, the Laser Rangefinder turns off.

## Measurement

Caution — Controls, adjustments or usage of procedures other than those specified herein may produce negative effects or damage to your health due to laser radiation.

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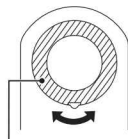
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- Before measuring, be sure to confirm each menu setting. See “Navigating the menus” (page 12) for more information.

### ■ Adjusting the focus of the internal display

If the internal display is difficult to see, adjust the focus with the following procedure.

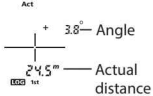
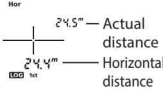
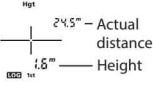
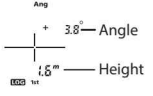
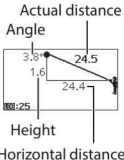
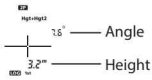
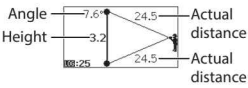
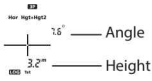
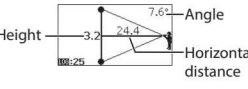
1. Press the PWR button to turn on the power.
2. Look through the eyepiece and rotate the diopter adjustment ring until the internal display comes into focus.



Diopter adjustment ring

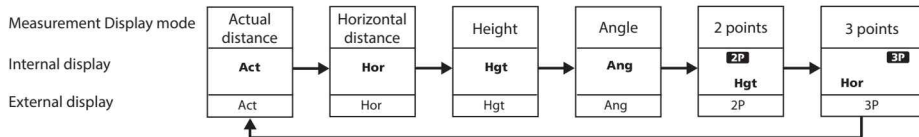
## ■ The measurement display mode

The following six modes are available. You can confirm the measurement results on both the internal and external display. The external display shows more detailed information.

Actual distance mode	Horizontal distance mode	Height mode	Angle mode	External display (common across the four modes on the left.)
<p>Internal display</p> 	<p>Internal display</p> 	<p>Internal display</p> 	<p>Internal display</p> 	<p>External display (common across the four modes on the left.)</p> 
<p><b>2 points mode (height between 2 points)</b></p> <p>Displays the height (vertical separation) between two points by calculating using the actual distance and angle data of two points.</p>		<p>Internal display</p> 	<p>External display</p> 	
<p><b>3 points mode (height between 2 points)</b></p> <p>Displays the height (vertical separation) between two points. This mode uses the horizontal distance data to the target (1st point) and angle data of two points (2nd and 3rd points) to calculate and display the height between 2nd and 3rd points.</p>		<p>Internal display</p> 	<p>External display</p> 	

## ■ Changing the measurement display mode

1. Press the PWR button to turn on the Laser Rangefinder.
2. The mode switches every time you press the MODE button.



- To start measuring with the displayed mode, press the PWR button.
- If you do not operate the buttons for about 30 seconds, the displayed setting is saved and the Laser Rangefinder turns off.
- The setting is saved even when the Laser Rangefinder is turned OFF.

## ■ Measuring

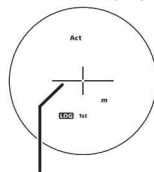
Actual distance mode is used here as an example.

1. Press the PWR button to turn on the power.
  - If you do not operate the buttons for about 30 seconds, the power turns off automatically.
2. Aim at the target.

Position the center of the target mark on the target.

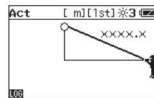
3. Press the PWR button to measure.
  - After measurement, the result is displayed for approx. 30 seconds, and power automatically turns off.
  - Press the PWR button while the power is on to measure again.
  - See page 20 for more information on the display content of each mode.
  - To check the measurement log later, take a note of the log number displayed on the external display. The number corresponds to the number in the log list (page 16).

Internal display



Target mark

External display



## ● Continuous measurement

In Actual distance, Horizontal distance, Height, and Angle mode, you can measure continuously up to approx. 8 seconds by pressing and holding down the PWR button. During measurement, the measured result is displayed consecutively while the laser emission mark is flashing. If you release your finger from the button, continuous measurement stops.

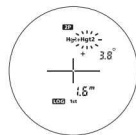
**Note:** The last measured result is the only log saved and you can check it in the log list. Result errors are not saved.

## ■ Measuring with 2 points mode

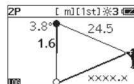
Before starting the measurement, set the measurement display mode to “2 points mode”. See page 21 for more information.

1. Press the PWR button to turn on the power.
    - When the laser rangefinder is on standby, **Hgt** flashes in the internal display.
  2. Aim at the first point of the target, and then press the PWR button to measure.
    - The measurement result of the first point is displayed as shown on the right.
    - **Hgt** stops flashing and **+Hgt2** starts flashing.
  3. Aim at the 2nd point of the target, and then press the PWR button to measure.
    - **+Hgt2** stops flashing and the measurement result is displayed.
- See page 20 for more information on the display content.

Internal display

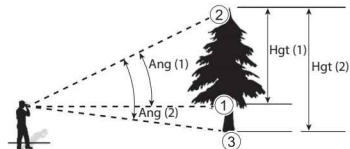


External display



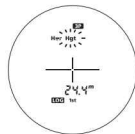
## ■ Measuring with 3 points mode

Before starting the measurement, set the measurement display mode to "3 points mode". See page 21 for more information. Perform measurement three times in the order of ①, ②, and ③ in the illustration on the right. Points ② and ③ can be reversed.

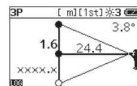
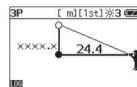


- Press the PWR button to turn on the power.
  - When the laser rangefinder is on standby, **Hor** flashes in the internal display.
- Aim at the first point of the target (①), and then press the PWR button to measure.
  - The measurement result (horizontal distance to the first point) is displayed as shown on the right.
  - Hor** stops flashing and **Hgt** starts flashing.
- Aim at the 2nd point of the target (②), and then press the PWR button to measure.
  - The measurement result (Ang (1) and Hgt (1)) is displayed as shown on the right.
  - Hgt** stops flashing and **+Hgt2** starts flashing.
- Aim at the 3rd point of the target (③), and then press the PWR button to measure.
  - +Hgt2** stops flashing and the measurement result (Ang (2) and Hgt (2)) is displayed. See page 20 for more information on the display content.

Internal display



External display



# Technical notes

## ■ Specifications

**En**
**Fr**

Measurement range (actual distance) <sup>*1</sup>		Distance: 7.5-1,600m/8-1,750 yd./25-5,250 ft Angle: ±89°	
Maximum measurement distance (tree) <sup>*1</sup>		1,100m/1,200 yd./3,600 ft	
Display steps (increment)	Internal display	Act (Actual distance)	Main indicator: every 0.1 m/yd./ft Sub-indicator: every 0.1 m/yd./ft (shorter than 999.9 m/yd./ft) every 1.0 m/yd./ft (1,000.0 m/yd./ft and over)
		Hor (Horizontal distance) Hgt (Height)	Every 0.1 m/yd./ft
		Ang (Angle)	Every 0.1°
	External display	Actual distance Horizontal distance Height	Every 0.1 m/yd./ft
		Angle	Every 0.1°
Accuracy (actual distance) <sup>*2</sup>		±0.3 m/±0.3 yd./±0.9 ft (shorter than 1,000 m/1,000 yd./3,280 ft) ±1.0 m/±1.0 yd./±3.0 ft (1,000 m/1,000 yd./3,280 ft and over)	
Magnification (×)		6	
Effective diameter of objective lens (mm)		21	
Angular field of view (real) (°)		7.5	
Eye relief (mm)		18.0	
Exit pupil (mm)		3.5	
Diopter adjustment		±2.5 m-1	
Dimensions (L × H × W) (mm/in.)		110 × 74 × 42/4.3 × 2.9 × 1.7	
Weight (g/oz.)		Approx. 170/6.0 (without battery)	
Operating temperature (°C/°F)		-10 — +50/14 — 122	
Operating humidity (%RH)		80 or less (without dew condensation)	
Power source		CR2 lithium battery × 1 (DC 3V) Automatic power shut-off (after approx. 30 sec. unoperated)	

Structure	Waterproof (up to 1 m/3.3 ft for 10 minutes) <sup>*3</sup> , fogproof Battery chamber is rainproof — JIS/IEC protection class 4 (IPX4) equivalent (under Nikon's testing conditions) <sup>*4</sup>
Electromagnetic compatibility	FCC Part15 SubPartB class B, EU:EMC directive, AS/NZS, VCCI classB, CU TR 020, ICES-003
Environment	RoHS, WEEE
Laser classification	IEC60825-1: Class 1M/Laser Product FDA/21 CFR Part 1040.10: Class I Laser Product
Wavelength (nm)	905
Pulse duration (ns)	9.5
Output (W)	15
Beam divergence (mrad)	Vertical: 1.8, Horizontal: 0.25

- The specifications of the product may not be achieved depending on the target object's shape, surface texture and nature, and/or weather conditions.

<sup>\*1</sup> Under Nikon's measurement conditions and reference values.

<sup>\*2</sup> Under Nikon's measurement conditions.

<sup>\*3</sup> Waterproof models

This product has waterproof capabilities, and will suffer no damage to the optical system nor observation if submerged or dropped in water to a maximum depth of 1 m/3.3 ft for up to 10 minutes.

This product offers the following advantages:

- Can be used in conditions of high humidity, dust and rain without risk of damage to internal functions.
- Nitrogen-filled design makes it resistant to condensation and mold.

However, observe the following when using the Nikon Laser Rangefinder:

- Do not operate or hold the product in running water.
- If any moisture is found on movable parts of this product, stop using the product and wipe it off.

<sup>\*4</sup> The battery chamber is rainproof, not waterproof. Water may enter the device if the Rangefinder is submerged in water. If water enters the battery chamber, wipe out any moisture and allow time for the chamber to dry.

### ● **Battery life**

Approx. 9,400 times (at approx. 20°C (68°F))

This figure may differ according to conditions such as temperature and other factors. Use only as a guide.

- The battery supplied with this Nikon Laser Rangefinder is for operation checking. Due to natural electrical discharge, the life of this battery will likely be shorter than that noted above.

### ● **About laser**

**This product uses an invisible laser beam for measuring. It measures the time the laser beam takes to travel from the rangefinder to the target and back. Laser reflectivity and measurement results may vary according to climatic and environmental conditions, as well as the color, surface finish, size, shape and other characteristics of the target.**

**Measurement may be inaccurate or fail in the following cases:**

- In snow, rain or fog
- Small or slender target
- Black or dark target
- Target has stepped surface
- Moving or vibrating target
- When measuring the surface of water
- Target measured through glass
- When the target is glass or a mirror
- When laser incidence to the target's reflective surface is oblique

## ■ Troubleshooting/Repair

If this product fails to function as expected, check the list below before consulting your local dealer or the store where you purchased it.

- If there is a problem with the product.

Problem	Cause/Solution
<ul style="list-style-type: none"> <li>• Does not turn on</li> </ul>	<ul style="list-style-type: none"> <li>• Press the PWR button (top of the body).</li> <li>• Check that the battery is inserted correctly.</li> <li>• Replace the battery with a new one.</li> </ul>
<ul style="list-style-type: none"> <li>• Unable to measure</li> <li>• Anomalous result</li> </ul>	<ul style="list-style-type: none"> <li>• Confirm the settings.</li> <li>• Confirm if it can measure a large target close to you (example: a building approx. 15 m/15 yd./49 ft ahead of you).</li> <li>• Clean the lens surface if necessary.</li> </ul>
<ul style="list-style-type: none"> <li>• Cannot see the external display</li> <li>• Difficult to see the external display</li> </ul>	<ul style="list-style-type: none"> <li>• Check the backlight level of the external display, and adjust it as necessary.</li> </ul>
<ul style="list-style-type: none"> <li>• [E] is displayed in the internal display</li> </ul>	<ul style="list-style-type: none"> <li>• Failure indication. Please contact your local dealer or the store where you purchased the product.</li> </ul>

- If you require a repair, please contact your local dealer or the store where you purchased the product. Do not repair or disassemble. It may result in a serious incident. Please note that Nikon is not responsible for any direct or indirect damage if the user attempts to repair or disassemble the product.