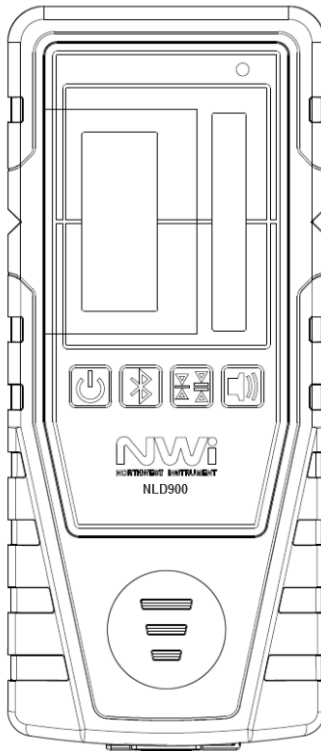




Owner's Manual

NLD900-R, NLD900-G



CONTENTS

SAFETY	3
1. PRODUCT FEATURES	6
2. BUTTON FUNCTIONS	8
3. LCD FUNCTIONS	9
4. UNIT SETUP	10
5. SPECIFICATIONS	11
6. MAINTENANCE AND CARE	12

Safety

The instrument is not to be operated for any purpose other than what it is designed for as described in this manual. It is the user's complete responsibility to follow the instructions in the manual.

- Do not disassemble the instrument or attempt to perform any internal servicing. Repairs and servicing are to be performed only by authorized service centers.
- Do not operate the unit in any other way or use any other tools or procedures different than described in this manual.

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.

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

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s).

Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

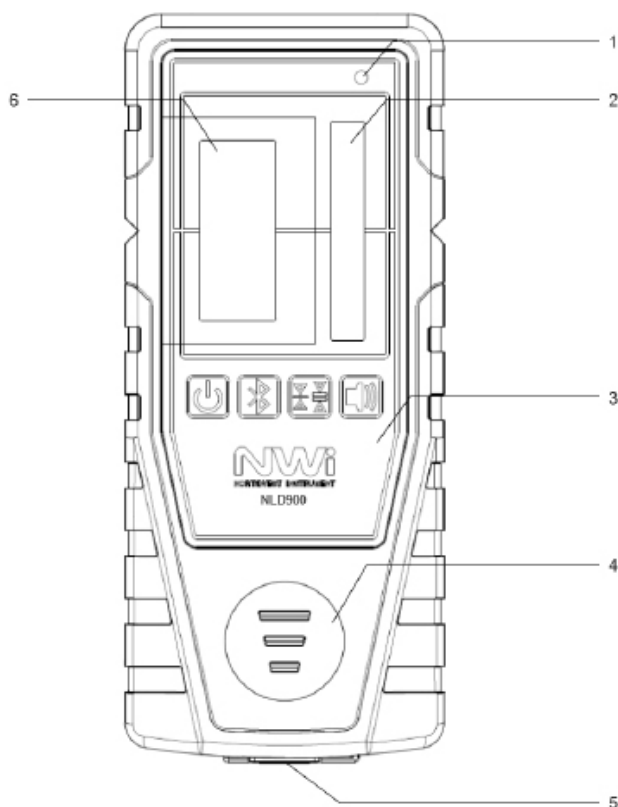
L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- 1) L'appareil ne doit pas produire de brouillage;
- 2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

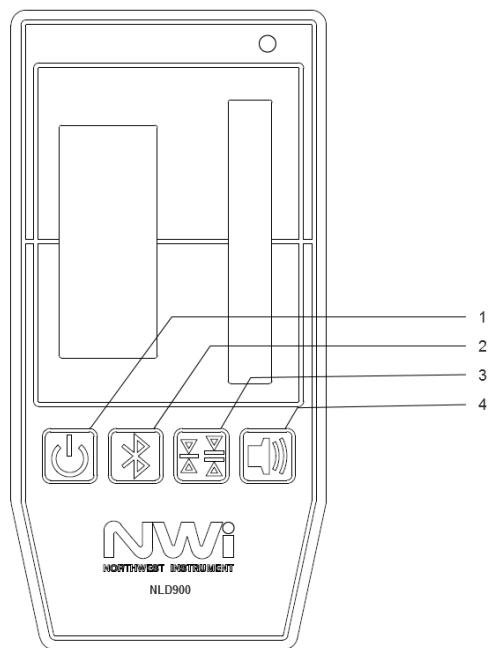
NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate 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.

1. PRODUCT FEATURES



- 1 Battery Charging Indicator
- 2 Laser Detection Window
- 3 Keypad
- 4 Buzzer
- 5 Battery Charging Connector
- 6 LCD



1 Power Button

2 Bluetooth Switch Button

3 Sensitivity Selecting Button

4 Volume Level Selecting Button

2. BUTTON FUNCTIONS



Power Button

Short press to power on the unit.

Press and hold to power off.



Bluetooth Switch Button

(Only works with NRL900HT-R/G Rotary Lasers)

Short press to enable or disable the Bluetooth feature.



Sensitivity Selecting Button

Short press to switch the sensitivity between low sensitivity and high sensitivity.

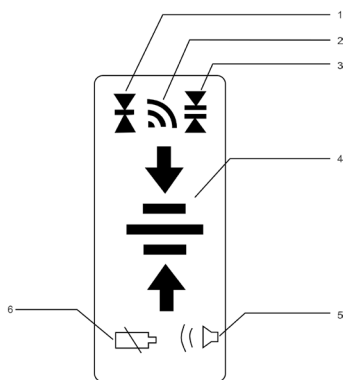


Volume Level Selecting Button

Short press to switch the volume within muted, low volume and high volume.

3. LCD FUNCTIONS

The NLD900-R/G has a segment LCD that can show the unit's current working status.



1 High Sensitivity Icon

2 Bluetooth Status Icon

3 Low Sensitivity Icon

4 Laser Position Icon

5 Volume Level Icon

6 Low Battery Alert Icon

4. UNIT SETUP

Battery Charging

Connect the USB cable to a 5V DC adapter. The max current of the adapter should be larger than 0.5A.

Connect the same USB cable to the NLD900-R/G laser detector.

Battery indicator will show red if the battery is charging, and will show green once it is fully charged.

The detector can't be powered on while connecting the USB cable.

Detecting Laser

Short press the Power button to power on the detector.

Adjust the volume according the environment you are working.

Adjust the sensitivity to high and check if the center mark can be located easily and stable. If not, adjust the sensitivity to low and check again.

5. SPECIFICATIONS

	NLD900-R	NLD900-G
Accuracy	High Sensitivity: +/- 1.5mm per 10m	
	Low Sensitivity: +/- 2mm per 10m	
Working Distance (Diameter)	Up to 2000ft with Detector	
Rotary Laser Rotating Speed	300/600/1200 RPM	
Laser Type	635nm	520nm
Bluetooth Range	Up to 100ft	
Operanting Tem- perature	-10° C ~ 50° C	
Battery Charging Type	Micro USB of 5V 0.5A	

6. MAINTENANCE AND CARE

1. Handle instrument with great care. Avoid shock and vibration. Always store and transport instrument in its carrying case.
2. Keep instrument dry and clean after use and before packing it in the carrying case.
3. Keep the glass of the laser capturing window clean. Use soft cloth and glass cleaner to clean it.

NORTHWEST INSTRUMENT, INC.

Standard Warranty Terms

The warranty period for the instrument grade laser is 36 months from the date of purchase. Northwest Instrument, Inc. (Seller) warrants this instrument made by Northwest Instrument to be free from manufacturing defects in materials and workmanship. For claims to be made under this warranty the instrument must be inspected by Northwest Instrument and the defect must be proven to Seller's satisfaction. At the time that it is proven to the Seller's satisfaction that the instrument is defective, it shall be repaired or replaced, at the Seller's option and returned to the original purchaser at no cost to them, including transportation charges. Seller's sole obligation and the Buyer's sole remedy are limited strictly to repair or replacement with these provisions below:

A. The instrument is returned to the Seller, properly packaged with the transportation charges prepaid and insured and accompanied by proof of ownership. Receipt and previous registration are required.

B. Except for ordinary wear and tear resulting from normal usage, the instrument, upon inspection by the Seller is determined to be defective in material and/or workmanship. Under no circumstances shall the Seller be liable for any consequential, incidental or contingent damages whatsoever.

Limitations and Exclusions

A. This warranty does not apply to instruments subject to negligence, abuse, accident, improper operation, instruments damaged in transit or damage due to unauthorized service repairs made by someone other than the Seller or any other authorized service personnel. Circumstances beyond the Seller's control cannot be warranted.

B. This warranty does not apply to regular required maintenance such as cleaning, adjusting, lubricating or calibrating unless required as a result of a defect in workmanship or materials. If upon examination of the instrument, the Seller determines that additional repair services are required and not covered under this warranty, the Seller shall notify the Buyer of such repair charges and proceed only after authorization has been received.

C. This warranty does not apply to instruments damaged in transit to or from the Seller or any authorized repair center. Other remedies may or may not be available for transportation damages.



69 King Street, Dover, NJ, 07801

Tel: (973) 347-6830 Fax: (973) 347-6870

Website: www.nwismart.com