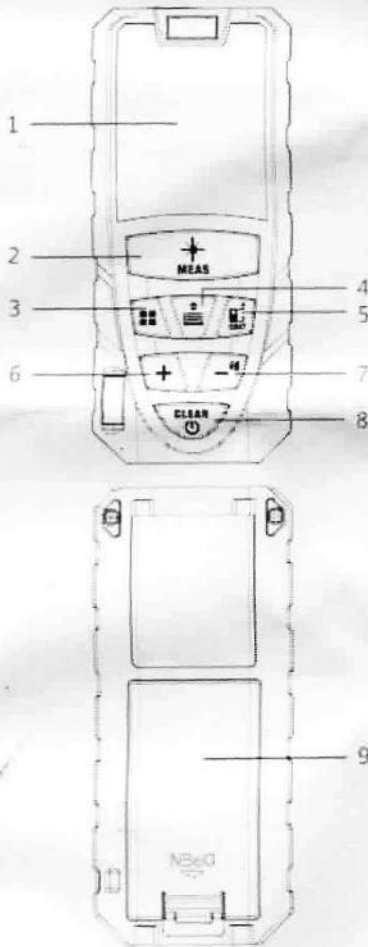# Laser Distance Meter
Quick Start

Product Overview

Thank you for choosing our products! Please carefully read this product Quick Start to ensure the safe and most efficient use of this product.

Designed by globally recognized team, this laser distance meter is compact and handy. The innovative design with clip accessory enables user to bring the meter anytime as well as it also protect the batteries broken out when drop on the ground in operation.

Distance measurement, Area / Volume / Pythagorean calculation are provided to fulfil fulfil most of measurement conditions.

Appearance

1. Display Screen
Mode selection display

2. Measure Button
Activate the measuring mode, short press to measure, long press to Continuous measurement.

3. Menu Button
Press to change measuring mode: Area/ Volume/Pythagoras

4. Memory Button
Press to recall memory values.

5. Measuring Reference/Unit Button
The Rear is the default Reference. Short press to change the Reference (Front/ Rear) , Long press to change the measuring units (m/ft/in/ft+in).

6. Add(+) Button
Under the mode of Distance, Area and Volume measurement, short press to add values
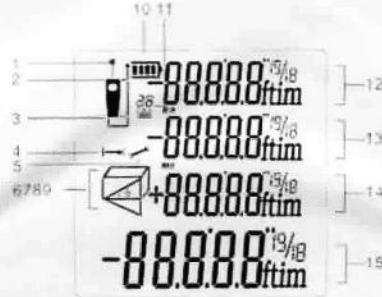
7. Add(+)/Subtract(-) Button
Short press to subtract values, Long press to De-/activiate the Beep.

8. ON/OFF/Clear/Return Button
Long press to switch ON/OFF, short press to clear the previous operations or return to main menu.

9. Battery Compartment

Display Screen

1. Laser on
2. Reference point (front)
3. Reference point (rear)
4. Distance /Continuous measurement
5. Setting
6, 7, 8, 9 . measuring mode indication
10. Battery status
11. Historical memory
12. Value 1
13. Value 2 / Min value
14. Value 3 / Max value
15. Summary line / latest value / calculation result

Safety Instruction

The safety instructions should be read through carefully before the product is used for the first time.

⚠ Warning

a. The device is categorized into Class 2 laser product. DO NOT stare at laser directly or shoot at others or it will cause damage to eyes.

b. The product is in accordance with strict standards and regulations through the development and manufacturing, but still can't entirely exclude the possibility of interference to other devices, may cause discomfort to human and animals.

- Please DO NOT use this product under explosive or corrosive environment.
- Please DO NOT use this product near medical devices.
- Please DO NOT use this product on the plane.
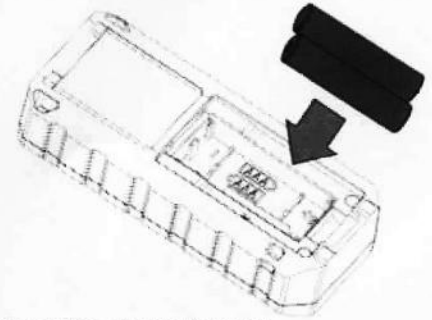
1, Disposal

Everyone is responsible for environmental protection.
It's prohibited to dispose used batteries together with household waste, please collect used batteries to designated waste station.
This product must not be recycled with household waste. Dispose of the product appropriately in accordance with the national regulations in your country.

2, Scope of Responsibility

will not be responsible for the damages caused by improper use below:
*Using the product without instruction;
*Use of accessories from other manufacturers without approval
*Carrying out modification or conversion of the product.

BATTERY INSERTION

Open the battery compartment then insert 2* AAA batteries, observing correct polarity.

For safety, please close the compartment with the provided lid after battery insertion.

Specification

Specification	
Measuring Range	0.05-120m
Measuring Accuracy	±(3.0mm+5x10⁻⁴D)
Single Distance Measurement	√
Continuous Measurement	√
Area Measurement	√
Volume Measurement	√
Pythagoras (2-point)	√
Pythagoras (3-point)	√
Add/Subtract	√
Memory	30 Values
Measuring Reference	Front/Rear
Measuring Units	m/ft/in/ft+in
Auto Power Switch-off	After 180s
Laser Class	Class 2
Laser Type	630-670nm,<1mW
Battery Type	AAA 2 x 1.5V
Operating Temperature	0°C~+40°C(32°F~+104°F)
Dimension	115*50*29.5mm

1. Measuring Range
The Maximum range shall be different according to different models. The actual range refers to the package.
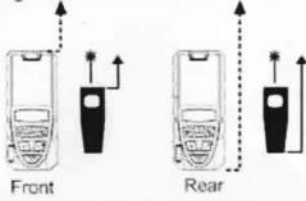
2. Measuring Accuracy("D" stands for measured distance)

If measuring under favorable conditions, such as smooth surface, proper temperature and indoor lighting, the device is able to work within certain range as declared. Maximum deviation occurs under unfavorable conditions such as bright sunlight or when measuring to poorly reflecting or very rough surfaces.

Tips: In case of bright sunlight and bad reflection of the object, please use the target plate or reflector.

Operation Instruction

The Single distance measurement prompt when it is switched ON, press ⠿ to select measuring mode, and the flashing line reminds user to get the newest result.
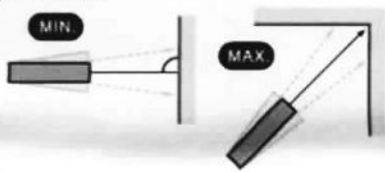

Front   Rear

The measuring data should be different due to different Reference settings.

Single Distance Measurement

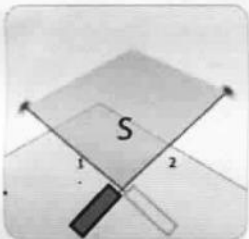The device will come to Single distance measurement ⊢→⊣ when it is switched ON. Press ⟨•⟩ after aiming at target to get result in summary line.
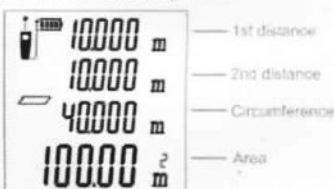
Continuous Measurement

Long press ⟨•⟩ to activate Continuous measurement ⊢→⊣ , sweeping slowly the laser back and forth and up and down over the desired target point from a fixed measuring point, then press ⟨•⟩ to stop, the value for Maximum and Minimum distances are displayed in the screen as well as the last measured value marked in the summary line. You can choose Max or Min value according to your needs.
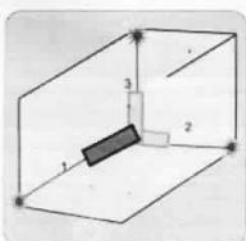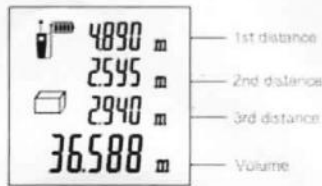

Area Measurement

Press ⠿ to select Area measurement mode ▱ . According to reminding of the flashing line, press ⟨•⟩ to get the distance for 1st line (Length), press ⟨•⟩ again for 2nd line (Width), the Area is calculated and displayed in the summary line.

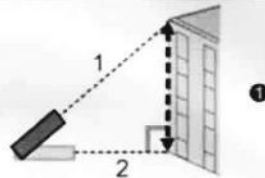| 10000 m | — 1st distance |
10000 m	— 2nd distance
40000 m	— Circumference
100.00 m²	— Area

Volume Measurement
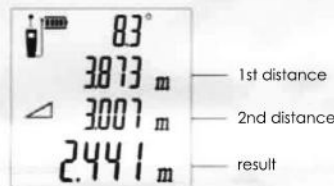

Press ⠿ to select Volume measurement mode ▱ . According to reminding of the flashing line, press ⟨•⟩ to get the distance for 1st line(Length), press ⟨•⟩ again for 2nd line(Width), press third time for 3rd line(Height), the Volume is calculated and displayed in the summary line.
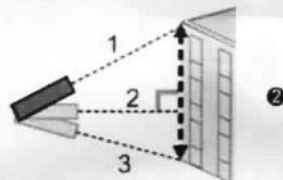
4890 m	— 1st distance
2545 m	— 2nd distance
2940 m	— 3rd distance
36.588 m	— Volume

Pythagoras (2-point)

Refer to figure ❶. Press ⠿ to select Pythagoras mode ◸. According to reminding of the flashing line, press ⟨•⟩ to get the distance of 1st line, change to the horizontal direction of the object from the fixed measuring point, press ⟨•⟩ again to get the distance of 2nd line, the result is displayed in the summary line.

83°	
3873 m	— 1st distance
3007 m	— 2nd distance
2.441 m	— result

Pythagoras (3-point)

Refer to figure ❷. Press ⠿ to select Pythagoras mode ◁. According to reminding of the flashing line, aiming at 1st target point, press ⟨•⟩ to get the distance of 1st line, change to the horizontal direction of the object from the fixed measuring point, press ⟨•⟩ again to get the distance of 2nd line, move to the 2nd target point, press ⟨•⟩ to get the distance of 3rd line, the result is displayed in the summary line.

3414 m	— 1st distance
2604 m	— 2nd distance
2845 m	— 3rd distance
3.354 m	— result

Add/Subtract

Add: short press ＋

Subtract: short press −⁴

Measure the 1st distance, then press ＋ −⁴, add/subtract icon will appear on display, then press ⟨•⟩ to measure the 2nd distance, the 2nd value will be automatically added to/ subtracted to the 1st value.

Note: This process can be repeated as required.

Trouble Shooting

All errors or failures will be shown as codes. The following table explains the meaning of codes and solutions.

Code	Cause	Corrective Measure
204	Calculation error	Refer to user manual, repeat the procedures.
208	Excessive current	Please contact your distributor
220	Low battery	Replace batteries or charge the batteries
255	Received signal too weak or measuring time too long	Change target surface
256	Received signal too strong	Change target surface
261	Out of the range of measurement	Select the measurement distance within the range of measurement.
500	Hardware error	Switch on/off the device several times. If the symbol still appears, please contact your dealer for assistance.