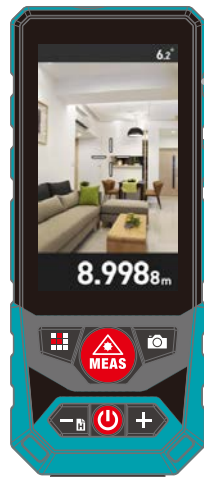


User Manual



Product Overview

Thank you for using this handheld laser distance meter. Please read the instruction carefully before operation.

This handheld laser distance meter inherited simple and stylish design concept with clear and smooth figures. It is equipped with 3.0-inch high-definition color screen, side button, IP65 high protection and easy operation. This handheld laser distance meter can bring an extraordinary user experience under any circumstance.

This handheld laser distance meter integrated built-in point-finder camera to facilitate long-range measuring needs. It also introduced screenshot features, 3D measurement, and Bluetooth connection for data transmission.

This handheld laser distance meter can support multi-patterns of power supply. First try to introduce the wireless charging, which is no longer limited by the charging interface. You can choose standard rechargeable nickel-metal hydride battery or alkaline batteries in different scenarios.

This handheld laser distance meter can achieve more than fifteen functions including Area, Volume, Circular area, Cylindrical volume, Pythagoras, Stake out, Constant settings, Time-delayed measurement, Screen rotation and etc. It can upgrade a high performance measuring experience to worldwide users.

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.

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.

Range of Responsibility
We 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 from us;
*Carrying out modification or conversion of the product.

Battery Installation and Instructions

- Please use screwdriver to open the battery cover, install 3* AAA rechargeable Ni-MH batteries, observing correct polarity.
- Close the cover properly after installation.

The product uses rechargeable Ni-MH batteries. Please use provided USB cable while charging. The computer can also be used to charge, but this takes more time.

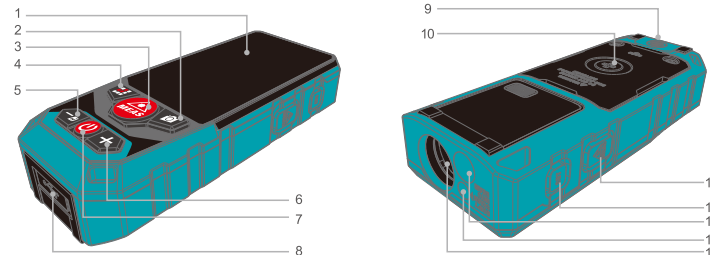
Low battery → Fully charged

Error Code

All information will be showed as code or "Error", the following are all codes and corresponding explain and solution.

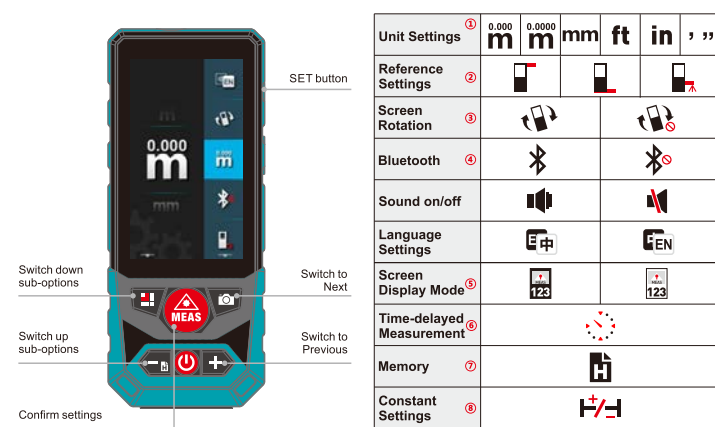
| Code | Cause | Corrective Measure |
|------|---|---|
| 204 | Calculation error | Refer to user manual, repeat the procedures. |
| 208 | Excessive current | Please contact your distributor. |
| 220 | Low Battery | Replace batteries or charge the batteries |
| 255 | Received signal too weak or measurement time too long | Improve the reflective surface. (Use target plate, white paper) |
| 256 | Received signal too strong. | Improve the reflective surface. (Use target plate, or don't aim at strong light) |
| 261 | Out of measuring range | Measuring the distance within measurement range. |
| 500 | Hardware error | Switch on/off the device, if the symbol still appears after several times, please contact with your dealer. |

Appearance



- High Definition Color Screen**
- Camera Button**
Short press to activate point-finder function
Press and hold to screenshot and save the records (only available in camera mode)
- Measure Button**
Short press to activate Single measurement
Press and hold to activate Continuous measurement
- Function Menu Button**
Short press to switch measuring mode under the History memory interface, short press to switch between screenshot history and data record, Press and hold to activate Time-delayed measurement.
- Subtract/Previous**
Short press to activate Subtraction
Press and hold to Memory
- Add/Next**
Short press to activate Addition
- Power Button**
Press and hold to Power ON/OFF
- Screen Rotation**
Short press to return to previous operation
- USB Charging/Data Transferring Interface**
- Tripod Hole**
Press and hold to activate Continuous measurement
- Battery Compartment**
Short press to measure.
Press and hold to Continuous measurement
- SET Button**
Short press to set the Menu
Short press again to switch the setting menu options
- Laser Emitting Hole**
- Laser Receiving Hole**

Icons

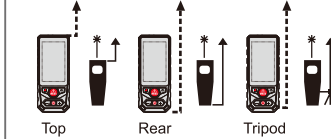


Unit Settings

- Display three digits after the decimal point.
- Display four digits after the decimal point (only available in Single measurement)

Reference Settings

Rear is the default reference. The measuring data should be different due to different reference settings.



Memory

Memory for screenshot and data history.



Constant Settings

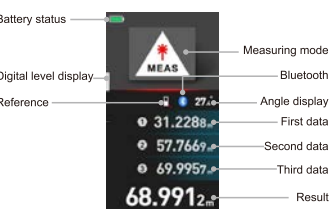
The tolerance can be directly calculated to the result. Remark: All measurement results will add or subtract the constant value in constant measuring mode.



Operation Instructions



Measuring Interface



Single Measurement

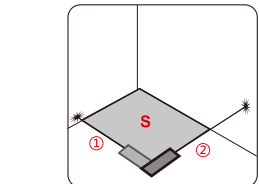
The device will enter Single measurement when it is switched ON. Press MEAS after aiming at target to get distance.

Continuous Measurement

- Press and hold MEAS to enter Continuous measurement
- Move left/right or up/down and press MEAS to stop the measurement
- The Continuous measurement allows the user to measure the Maximum or Minimum distance from a fixed measuring point. You can choose Max or Min value according to your needs.

Area Measurement

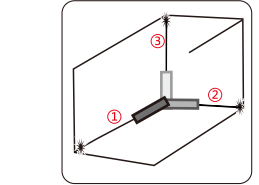
- Select Area
- According to reminding of the red line, press MEAS to get the distance for Length and Width.
- The Area and Circumference will be calculated and displayed accordingly.



| Single Measurement | Continuous Measurement | Continuous Measurement |
|----------------------------|------------------------|------------------------|
| Area | S | Pythagoras (2-point) |
| Volume | V | Pythagoras (3-point) 1 |
| Point to Point Measurement | | Pythagoras (3-point) 2 |
| Stake Out | Stake Out | Auto Level |
| Circular Area | S | Auto Height |
| Cylinder Volume | V | Trapezium 1 |
| Triangle Area | S | Trapezium 2 |

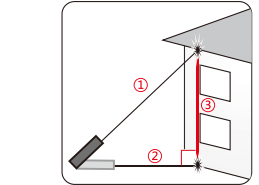
Volume Measurement

- Select Volume
- According to reminding of the red line, press MEAS to get the distance for Length, Width and Height
- The Volume will be calculated and displayed accordingly.



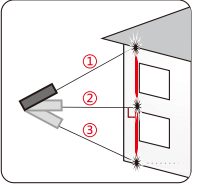
Pythagoras (2-point)

- Select Pythagoras(2-point)
- According to reminding of the red line, press MEAS to get the distance of line ①, change to the horizontal direction of the object from the fixed measuring point, press MEAS again to get the distance of line ②.
- The third vertical line will be calculated and displayed accordingly.



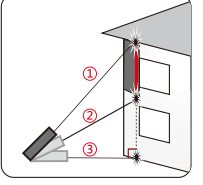
Pythagoras (3-point) 1

- Select Pythagoras(3-point) 1
- Aiming at ① target point, press MEAS to get the distance of line ①;
- Change to the vertical direction of the object from the fixed measuring point, press MEAS again to get the distance of Line ②;
- Move to the ③ target point, press MEAS to get the distance of line ③;
- The result will be displayed accordingly.



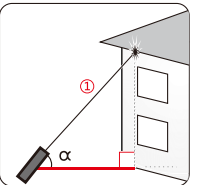
Pythagoras (3-point) 2

- Select Pythagoras(3-point) 2
- Aiming at ① target point, press MEAS to get the distance of line ①;
- Aiming at ② target point from the fixed measuring point, press MEAS again to get the distance of Line ②;
- Change to the vertical direction of the object from the fixed measuring point, press MEAS to get the distance of line ③;
- The result will be displayed accordingly.



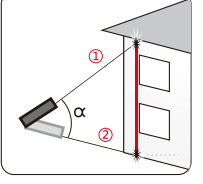
Auto Level

- Select Auto Level
- According to reminding of the red line, press MEAS to get the distance of hypotenuse, vertical and horizontal lines, the result will be displayed accordingly.



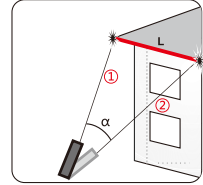
Auto Height

- Select Auto Height
- According to reminding of the red line, press MEAS to get the distance for line ① and hypotenuse line.
- The vertical height will be displayed accordingly.



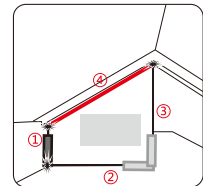
Point to Point (P2P) Measurement

- Select P2P; pop up "please wait ...", keep the device still.
- After the prompt box disappears, according to reminding of the red line, press MEAS to get the distance for line ① and line ②.
- The distance between the two points will be displayed accordingly.



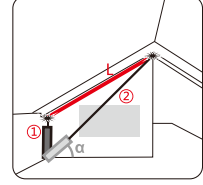
Trapezium 1

- Select Trapezium 1
- According to reminding of the red line, aiming at ① target, press MEAS to get the distance of the ① right-angled line ①.
- Aiming at ② target, press MEAS to get the distance of the ② right-angled line ②.
- Aiming at ③ target, press MEAS to get the distance of the ③ right-angled line ③.
- The ④ hypotenuse line will be displayed accordingly.



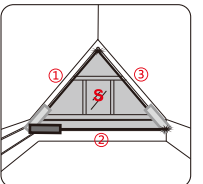
Trapezium 2

- Select Trapezium 2
- According to reminding of the red line, aiming at ① target, press MEAS to get the distance of the ① right-angled line ①.
- Aiming at ② target, press MEAS to get the distance of the ② diagonal line ②.
- The angle between the diagonal and the horizontal line, the length of right-angle line ③, the length of diagonal ④ and hypotenuse L will be displayed accordingly.



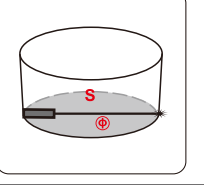
Triangle Area

- Select Triangle Area
- According to reminding of the red line, press MEAS to get the distance of each triangle line ①②③.
- The result of Area will be displayed accordingly.



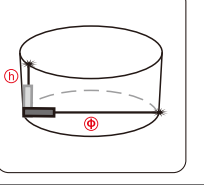
Circular Area

- Select Circular Area
- According to reminding of the red line, press MEAS to get the diameter.
- The Area and Circumference will be calculated and displayed accordingly.

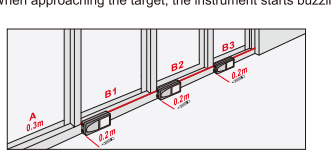
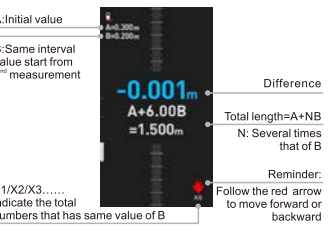


Cylinder Volume

- Select Cylinder Volume
- According to reminding of the red line, press MEAS to get the diameter and height of the cylinder
- The Circular Area and Volume will be calculated and displayed accordingly.



Stake Out



Camera

- Under any measurement mode, when the laser point cannot be confirmed, press to locate the target in the image.
- Press the MEAS button when you confirm the target, the display will automatically switch to measuring mode, the result will be displayed accordingly.

Add/Subtract

Under the mode of single measurement, Area and Volume, press "+" or "-" to make add/subtraction calculations on the basis of previous record, the result is displayed accordingly.

Remarks: It supports multiple add/subtraction

Bluetooth Connection

Enter the Setting menu, turn on the Bluetooth, no icon flashing indicates the Bluetooth connected successfully.

Technical Specification

| | |
|--------------------------|------------------------------------|
| Range(M) | 0.2-200/300m |
| Accuracy(MM) | ±(2.0mm+5x10 ⁻⁵ D) |
| Single Measurement | ✓ |
| Continuous Measurement | ✓ |
| Area | ✓ |
| Volume | ✓ |
| Pythagoras (2-point) | ✓ |
| Pythagoras (3-point) 1 | ✓ |
| Pythagoras (3-point) 2 | ✓ |
| Auto Level | ✓ |
| Auto Height | ✓ |
| Point to Point(P2P) | ✓ |
| Trapezium 1 | ✓ |
| Trapezium 2 | ✓ |
| Triangle Area | ✓ |
| Cylindrical Volume | ✓ |
| Stake Out | ✓ |
| Time-delayed Measurement | ✓ |
| Point finder Camera | ✓ |
| Constant Settings | ✓ |
| Bluetooth | ✓ |
| Add/Subtract | ✓ |
| Wireless Charging | ✓ |
| Language Settings | ✓ |
| Screen Rotation | ✓ |
| Screen Display | 3" HD color display |
| Display Brightness | Indoor/Outdoor |
| Screenshot Storage | 100pcs |
| Memory | 1000sets |
| Reference | Top/Bottom/Tripod screw |
| Units | m/ft/in/ft-in/mm |
| Auto Power Switch-off | After 180s of inactivity |
| Protection Class | IP65 |
| Laser Class | Class 2 |
| Laser Type | 635-670nm, <1mW |
| Battery Type | 3*AAA Ni-MH rechargeable batteries |
| Operating Temperature | 0°C~+40°C (32°F~+104°F) |
| Dimension(mm) | 130*54*28 |
| Weight with Battery(g) | 190 |

- Range**
The Max range shall be different according to different models. The actual range refers to the package.
- Accuracy**
If measuring under favorable conditions, such as smooth surface, proper temperature and indoor lighting, the device is able to work within certain range as indicated.
If measuring under unfavorable conditions, such as strong light, uneven surface and improper temperature, the tolerance will be enlarged.
Tips: In case of poor sunlight and bad reflection of the object, please use the target plate or reflector.

Warranty Card

| | |
|------------------------------|-----------------|
| Model name | Serial Number |
| Invoice Code | |
| User Name | |
| Address &Tel. | |
| Date of purchase | warranty period |
| Dealer's name, address, tel. | |
| Dealer | |
| Fault Description | |

Warranty Terms

Warranty period

- This laser distance meter has one year warranty in the precondition of non-artificial damage.

Within the warranty period, certain maintenance costs will be charged under following cases

- Damages caused by improper usage or maintenance of the tool;
- The tool had been disassembled or mended by non-authorized third party;
- Without the warranty card or the purchase invoice;
- The serial number on the warranty card is different with the one on product. The serial number has been altered or abraded;
- Damaged by any force majeure factors;
- Replacement of the worn out accessories;
- Damages caused by the abnormal factors such as the temperature/humidity in usage;
- Damages caused by the improper operation.

Please send the tool with warranty card & purchase invoice to local dealer if maintenance needed. The warranty card will not be reissued if lost; please keep it carefully for maintenance.