



Safety regulations
Please read the safety regulations and operation guide carefully before operating.

⚠ Please read all of the operational guide and safety regulations in this manual before operation. Improper operation without complying with the manual could cause damage to the device, influence on measurement result or bodily injury to the user.

⚠ The instrument is not allowed to disassemble or repair in any ways. It is forbidden to do any illegal modifications or performance change for laser meter. Please keep it out of reach of children and avoid using by any unlicensed personnel.

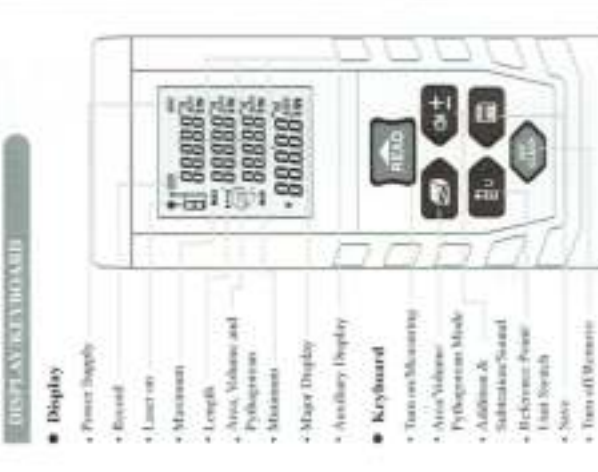
⚠ It is strictly prohibited to direct eyes or other parts of body with the laser; it is not allowed to use the laser to shoot any objects' surface with strong reflecting.

⚠ Due to characteristic radiation interference to other equipment and devices, please don't use the meter in the place or around medical equipment. Don't use it in inflammable, explosive environment.

⚠ Discarded batteries or active device shell not processed just like household refuse, please handle them in line with related law and regulations.

⚠ Any quality issues or any questions on the meter, please contact local distributors or manufacturers in time, we are ready to offer solutions to you.

Professional can't quantify and good quality gets repetition



- **Display**
- Power Supply
- Backlight
- Laser on
- Maximum
- Length
- Area, Volume and Pythagoras
- Minimum
- Major Display
- Auxiliary Display
- Keyboard
- Turn on/Measurement
- Area/Volume Pythagoras Mode
- Addition & Subtraction/Save
- Reference Power Unit Switch
- Save
- Turn off/Reverse

- **Unit Setting**
Long press button [ON/OFF] to select current measurement unit, the default unit is: 0.0000. There are 6 units for selection.
- | Unit | Area | Volume |
|--------|-----------------------|-----------------------|
| 0.0000 | 0.0000m ² | 0.0000m ³ |
| 0.0000 | 0.0000ft ² | 0.0000ft ³ |
| 0.0000 | 0.0000m ² | 0.0000m ³ |
| 0.0000 | 0.0000m ² | 0.0000m ³ |
| 0.0000 | 0.0000m ² | 0.0000m ³ |
| 0.0000 | 0.0000m ² | 0.0000m ³ |
- **Changing Reference Point**
Press [REF] key to change the reference point. The device reference point by default is rest.
 - **Back Light On/Off**
The back light is set to turn on and off automatically. The back light can be on for 15s while operating, and it will be shut off automatically in 15s when there is no operation to the device.
 - **Sound On/Off**
Long press button [ON/OFF] to turn on or off the buzzer.

- **Area Measurement**
Press button [AREA], [ON/OFF] down on the screen. One of the side of rectangle blinking on the display, please follow the below instructions for area measuring:
Press [ON/OFF] once for length
Press [ON/OFF] again for width
The device calculates and shows the result in the major display area.
The recent measuring result of length is shown in the auxiliary display area. Press [ON/OFF] clear off the result and measuring again if necessary.
Press [ON/OFF] again to exit the mode.
- **Volume Measurement**
Press button [VOLUME] to enter volume measurement mode. A [ON/OFF] will show on the top of screen. Please follow the below instruction for volume measuring:
Press [ON/OFF] for Length
Press [ON/OFF] again for Width
Press [ON/OFF] thirdly for Height
The device calculates and shows the result in the major display area.
Press [ON/OFF] clear off the result and measuring again if necessary.
Press [ON/OFF] again to exit the mode.

- **Pythagoras**
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- There are four Pythagoras modes in case that user gets hard to reach the target.
1. Calculate the second leg by measuring the hypotenuse and another leg.
Short press [ON/OFF] three times to enter Pythagoras mode. The hypotenuse of \triangle blinking.
Press [ON/OFF] measure the length of hypotenuse (a)
Press [ON/OFF] measure the length of one leg (b)
Device calculates the length of another leg (c)
 2. Calculate the hypotenuse by measuring the length of two legs.
Short press [ON/OFF] five times, when one leg of \triangle blinking.
Press [ON/OFF] measure the length of one leg (a)
Press [ON/OFF] measure the length of another leg (b)
Device calculates the length of hypotenuse (c)

3. Press [ON/OFF] five times off the one side of \triangle blinking on the screen.
Press [ON/OFF] measure the length of one side (a)
Press [ON/OFF] measure the length of the median line (b)
Press [ON/OFF] measure the length of another side (c)
Device calculates the length of the leg in full line (c)
4. Press [ON/OFF] six times off the hypotenuse of \triangle blinking on the screen.
Press [ON/OFF] measure the length of one hypotenuse (a)
Press [ON/OFF] measure the length of one leg (b)
Press [ON/OFF] measure the length of another hypotenuse (c)
Device calculates the length of the leg in full line (c)
Legs must short than hypotenuse, or there will be "err" shows on screen. In order to guarantee the accuracy, please make sure all measurements are start from the same point.
- **Addition / Subtraction**
The device can be used for length addition and subtraction. Press [ON/OFF] to select the function once get the length measuring result.
Short press [ON/OFF] "+" shows in the major display area, entering calculation mode. Value of last measurement and the result of calculation will be shown on the screen.

- Press button [ON/OFF] again, "err" shows in the major display area, entering repetitive mode. Value of last measurement and the result of calculation will be shown on the screen. Do round robin selection between continuous addition and continuous subtraction by pressing button [ON/OFF].
- Not only length can be calculated in addition and subtraction, but area and volume can do the calculation as well. Take area as sample.
- Area cumulative function: Measure the first area as showing in PIC 1. Then press button [ON/OFF] and measure the second area as showing in PIC 2, there is a "+" in the left bottom. At last, press button [ON/OFF] to get the summation result of these two areas which is showing in PIC 3.
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- **Recent Example**
Long press button [ON/OFF] to recall your measuring result. Only measuring result will be shown on the screen. Pythagoras mode: All the calculating records can be saved by the device.
• **Reset / Delete the Record**
Short press button [ON/OFF], read the records by press button [ON/OFF]. Short press [ON/OFF] to delete recent record and long press [ON/OFF] to clear up all the records. Press [ON/OFF] or [ON/OFF] to call record mode.
- Tip:**
You may get some warning information as below:
- | Info | Function | Solution |
|---------------------------------|---|----------|
| Low battery | Use the device within the range of measurement range. | |
| Signal is too weak | Change the position with measuring reference for the measuring job. | |
| Signal is too strong | Change the position with measuring reference for the measuring job. | |
| Low battery voltage | Change the power supply. | |
| The working and measuring range | Use the device in the specified temperature. | |
| Performance error | The instrument is beyond the measuring range. | |

- **Technology Specifications**
- | ITEM | Specification |
|---------------------------------------|---|
| Measuring Range | Area: 0.0000m ² ~ 0.0000m ² |
| Measuring Accuracy | ±0.5% |
| Measuring Resolution | 0.0000m ² |
| Measuring Unit | m ² , ft ² |
| Measuring Method | Two-point method |
| Measuring Frequency | 1000 times per second |
| Measuring Time | 0.1s |
| Measuring Temperature | 0°C ~ 40°C |
| Measuring Humidity | 10% ~ 90% RH |
| Measuring Wind Speed | 0 ~ 10m/s |
| Measuring Wind Direction | 0° ~ 360° |
| Measuring Wind Temperature | 0°C ~ 40°C |
| Measuring Wind Humidity | 10% ~ 90% RH |
| Measuring Wind Pressure | 0 ~ 1013.25hPa |
| Measuring Wind Altitude | 0 ~ 1000m |
| Measuring Wind Speed Accuracy | ±0.5% |
| Measuring Wind Direction Accuracy | ±1° |
| Measuring Wind Temperature Accuracy | ±0.5°C |
| Measuring Wind Humidity Accuracy | ±1% |
| Measuring Wind Pressure Accuracy | ±0.5hPa |
| Measuring Wind Altitude Accuracy | ±0.5m |
| Measuring Wind Speed Resolution | 0.1m/s |
| Measuring Wind Direction Resolution | 1° |
| Measuring Wind Temperature Resolution | 0.1°C |
| Measuring Wind Humidity Resolution | 1% |
| Measuring Wind Pressure Resolution | 0.1hPa |
| Measuring Wind Altitude Resolution | 0.1m |
- Note: Use a target plate to increase the measurement range during display or if the target has poor reflecting properties.

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| Measuring Wind Altitude Accuracy | ±0.5m |
| Measuring Wind Speed Resolution | 0.1m/s |
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| Measuring Wind Temperature Resolution | 0.1°C |
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