Laser Distance Meter











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 operations without complying with this manual guided 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 modification or performance change for laser emitter. Please keep it out of reach of children and avoid using by any irrelevant personnel.
- It is strictly prohibited to shoot eyes or other parts of body with the laser; it is not allowed take the laser to shoot any objects' surface with strong reflecting.
- Due to electromagnetic radiation interference to other equipment and devices, please don't use the meter in the plane or around medical equipment, don't use it in inflammable, explosive environment,
- Discarded batteries or meter device shall not processed just like household garbage, please handle them in line with related law and regulations.
- Any quality issues or any questions on the meter, please contact local distributors or manufacturer in time, we are ready to offer solutions for you.

User's Manual

DISPLAY/KEYBOARD Display · Power Supply

· Record

· Length.Area. /olume and # 4-888° Pythagorean · Laser on Angle ** 188888 tm Maximum *188888 file · Auxiliary Display ·188888## • Minimum · Major Display

READ

OFF

0

ijo

 Kevboard · Turn on/Measuring

Area/Volume/

Pythagorean Measuring

- · Unit/Sound · Addition/ Subtraction · Reference Point/ Delay Measuremen
- . Turn off/Clear up

Battery Installation





- Discharge the battery door on the back of device, and place battery according to correct polarity, then cover the battery door
- Only 1.5 V AAA alkaline battery is applied to the meter
- If not used for a long time, please take out the battery to avoid battery corrosion to meter body.

Start and Settings

Turn on/off the Instrument

Under off status, press button 🚲 , device and laser get starting simultaneously and stand by for measurement.

Under on status, long press button Em for 3 seconds to turn off the device. The device can also be off without any operation for 150 seconds f

Unit setting

Under the length measuring mode, long pres button , reset current measurement unit, default unit is: 0.000m There are 6 units for selection



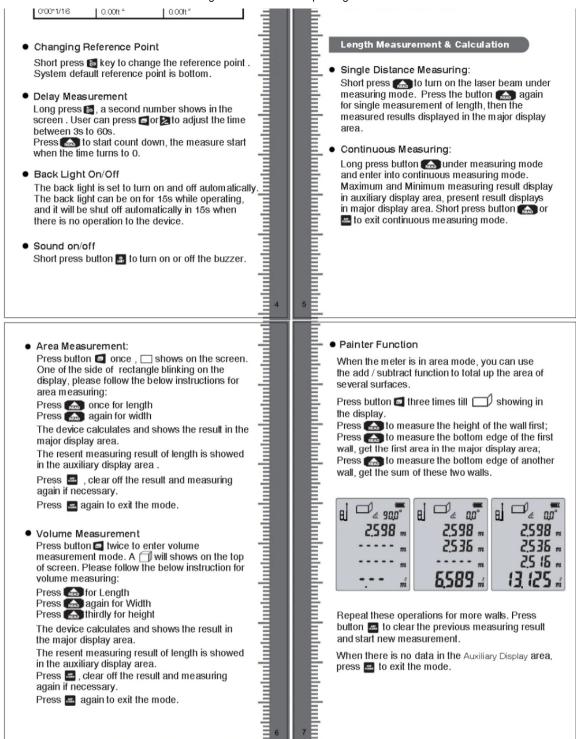




Office.					
Length	Area	Volume			
0.000m	0.000m ²	0.000m ³			
0.00m	0.00m ²	0.00m ³			
0.0in	0.00ft ²	0.00ft ³			
0.00ft	0.00ft ²	0.00ft ³			
0 1/16in	0.00ft ²	0.00ft ³			

Self-Calibration

This function can keep the precision of the device. Instruction: Power off, press button 💷 and 🚵 till "CAL" and a figure under it display on the screen. User can adjust the figure with button a , according to the accuracy of the meter. Adjusting range: -9 to 9mm, then press button 🔝 to save the calibration result.





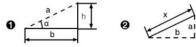




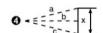












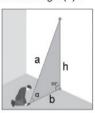
There are four Pythagoras modes in case that user gets difficulties to measure directly.

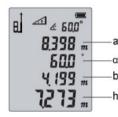
1. Calculate the length of two legs by measuring the hypotenuse and the angle.

Short press four times, when the hypotenuse of _____ blinking,

Press , measure the length of hypotenuse (a), and calculates the angle (a) between the bevel and the bottom at the same time.

Device calculates th horizontal distance (b) and vertical height (h).



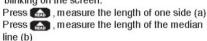


2. Calculate the hypotenuse by measuring the length of two legs.

Short press of five times, when one leg of _____ blinking,

Press , measure the length of one leg (a) Press , measure the length of another leg (b) Device calculates the length of hypotenuse (x)

3. Press six times till the one side of blinking on the screen.



Press , measure the length of another side (c) Device calculates the length of the leg in full line (x)

 Press
 seven times till the hypotenuse of
 blinking on the screen.

Press , measure the length of one hypotenuse (a)

Press , measure the length of another hypotenuse (b)

Press , measure the length of one leg (c) Device calculates the length of the leg in full line (x)

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 2 to select the function once get the length measuring result.

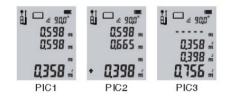
Press 2 , "+" shows in the major display area, entering cumulation mode. Value of last measurement and the result of cumulation will be showed on the screen.

Press 2 again, "-" shows in the major display area, entering regressive mode. Value of last measurement and the result of cumulation will be showed on the screen.

Can choose the addition or subtraction mode by pressing the button 2

Not only length can be calculated in addition and subtraction, but area and volume can do the calculation as well. Take area as example:

Area cumulative function: Measure the first area as showing in PIC1. Then press button 2 , and measure the second area as showing in PIC2, there is a "+" in the left bottom. At last, press button to get the summation result of these two areas which is showing in PIC3.



Memory Function

Long press button 🖹 for 3s to record your measuring result under measuring mode.

It can also record the result under Area, Volume and Pythagoras mode. All the calculating records can be saved by the device.

Read / Delete the Record:

Short press button] , read the records by press button and 2 . Short press at to delete recent record and long press . to clear up all the records. Press or characteristics of the record of the records. mode.

When the storage is full, the screen will display the [FUL] mark.

Angle measurement

The angle information is displayed at the top of the screen, and the angle measurement range is -90.0° to 90.0°.











Technology specifications: Tips ITEM SPECIFICATIONS You may get some warning information as below: Working Range 50m 100m 120m Distance measurement precision ±2mm * Solution Continuous measurementunction Out of distance neasurement Err Use the device within the range Area measurement function range Chose the surface with stronger reflectance. Use the reflecting plate. Volume measurement function Signal is too weak Chose the surface with weaker reflectance. Use the reflecting Err2 Signal is too strong Painter function Angle Function ves Low battery voltage Change the power supply. Add and subtract measurement function yes The working temperature is out of working range Use the device in the specified temperature. Min/Max value yes Err4 Self-Calibration yes Re-measure and ensure that Hypotenuse is bigger than Cathetus. Pythagoras measuring error. Laser level Frr5 500-535nm,<1mW Laser type 99units Max storage Automatically out off laser Angle sensor error Depot Repair 20s Automatic shutdown 150e Battery life 8000 times for single measurement Buttons/keys sound yes -20°C~60°C Storage temperature Working temperature 20%~80%RH Storage humidity Battery 3x1.5V AAA Angle Range ±90° 118x52x27mm Dimension Note: Use a target plate to increase the measurement range during daylight or if the target has poor reflection properties

- · Please keep the device surface cleaning. Wet soft

* Typical Tolerance: ±2mm, when reflectivity 100% (white surface), environment light <2000 LUX. 25°C Tolerance is usually affected by the distance, reflectivity, and environment light etc. It probably gets tolerance around ± (2mm+0.2mm/m). Instrument Maintenance: • The meter should not be stored in high temperature and strong humidity environment for long time; if it is not used very often, please take out the battery and place the meter in the allocated potable bag and store in cool and dry place. • Please keep the device surface cleaning. Wet soft cloth is applied to clean dust, but erosion liquid is never allowed to use for the meter maintenance. Laser output window and its focus lens can be maintained according to maintenance procedures for optical device. Delivery Package Please check if the accessories are completed according to the below list. NO. Item Unit QTY Note 1 Laser distance meter po 1 2 Portable bag po 1 3 Handistrap po 1 4 Powersupply AAA po 3 5 User's manual po 1						1		
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1 Laser distance meter po 1 2 Portable bag po 1 3 Handstrap po 1 4 Power supply AAA po 3	and is r and and and end end end end end end end end end e	d strong humidity of used very ofter d place the meter id store in cool and ease keep the devith is applied to cle wer allowed to use ser output window intained according optical device. Ilivery Packag e check if the acc	environ	ment f se take allocate ace. face clo t, but e meter s focus intena	or long time; if out the batter, and the batter, and potable bag eaning. Wet so erosion liquid is maintenance. Iens can be noe procedure			
2 Portable bag po 1 3 Handstrap po 1 4 Power supply AAA po 3	NO. Item		Unit	QTY	Note			
3 Handstrap po 1 4 Powersupply AAA po 3	1	Laser distance meter	ро	1		1		
4 Powersupply AAA po 3	2	Portable bag	ро	1		目		
	3	Handstrap	рс	1		- 4		
5 User's manual po 1	4	Power supply AAA	ро	3		圓		
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6 Gift box pc 1	6	6 Gift box		1		冒		

