

激光测距仪使用指南

概述

感谢您购买和使用此手持式激光测距仪，使用前请仔细阅读使用指南。

独创背夹结构套件，随测随取，极大提高工作效率，让测量变得更简单；内置水平泡，为测量提供水平指示，测量更精准；操作音智能关闭键，安静场所测量无虑；铸就该手持测距仪经典再现。

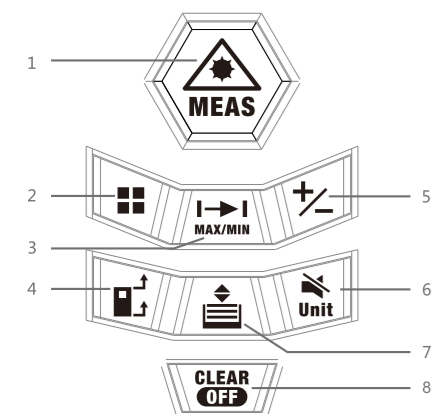
高性能，更有高性价比，连续测量、面积测量、体积测量、勾股定理测量等多种测量功能，满足大多数人的测量需求，提供优质的测量体验。

警告



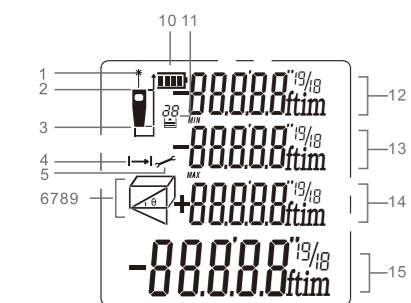
本产品属于二级激光产品。使用时请勿瞄准他人，勿透过光学镜片直视激光光束，否则会对眼睛造成伤害。

按键



1. 测量键
2. 面积/体积键/间接测量键
3. 连续测量键
4. 测量基准边选择键
5. 加减 (+/-) 键
6. 单位切换/静音切换键
7. 储存键
8. 开关机/返回/清除键

显示屏



1. 激光开启
2. 测量基准边 (前沿)
3. 测量基准边 (后沿)

4. 长度测量/连续测量
5. 工具图标
- 6,7,8,9. 测量模式图标
10. 电池状态
11. 历史记录，调出数据
12. 第一显示行
13. 第二显示行，最小值显示行
14. 第三显示行，最大值显示行
15. 主显示行，最后测量和计算结果显示

初始操作和设置

开机和关机

长按 键开启/关闭仪器。开机状态下，如果3分钟内无任何操作，机器将自动关机。

测量键

短按 开启激光，再按 进行单次测量。

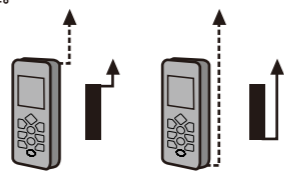
返回/清除键

短按 返回或者删除数据。

设置测量基准边

机器默认的测量基准边是机器的后沿(后基准)。短按 键，可以将测量基准切换到前基准。

*机器重启后，测量基准会自动转换成默认测量基准。



测量单位设置

短按 键，可在m (米)、ft (英尺)、in (英寸)、ft+in (英尺+英寸) 之间切换测量所采用的数据单位。重新开机后机器的测量单位会自动切换到“米”。

声音设置

长按 开启/关闭声音。

测量

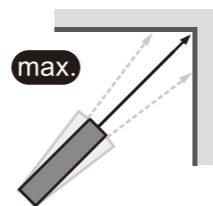
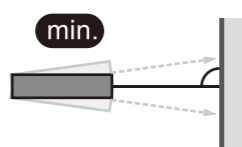
单次距离测量

按 开启激光，再按 进行单次测量；测量完成后激光随即关闭，同时测量结果会显示在显示屏内。

连续测量 (最大/最小值测量)

按 键，进入连续测量，屏幕上显示连续测量指示图标 ，同时最小值、最大值显示在显示屏上。按 或 停止连续测量。

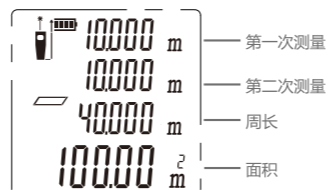
*连续测量功能会在连续测量5分钟后自动停止。



功能

面积测量

按一次 键，图标 将显示在显示屏内。按 键进行第一个长度的测量 (如：长)。再次按 键进行第二个长度的测量 (如：宽)。第二次测量后，面积/周长计算的结果将同时显示在主显示屏内。



体积测量

按两次 键。图标 将显示在显示屏内。按 键进行第一个长度的测量(如：长)，再按 键进行第二个长度的测量(如：宽)，按 键进行第三个长度的测量(如：高)，三次测量后体积的计算结果自动显示在主显示屏。

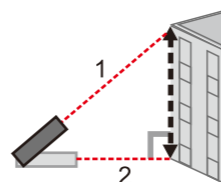
间接测量

本仪器可以利用勾股定理计算距离。这个功能可以实现对不易到达位置的测量。

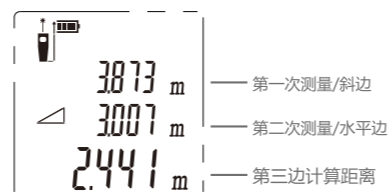
注意：
1. 所有的被测量点都应在同一水平或垂直面上。
2. 为能得到更准确的测量结果，建议将仪器在同一轴线上转动进行测量 (如：将仪器的拐角完全展开靠在墙面上进行测量)。

间接测量：一次勾股定理测量

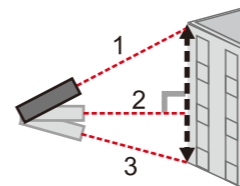
如下图所示，测量一个建筑物的高度或宽度，或者当一个高度需要通过两个或三个距离来测定时，可以通过间接测量功能实现。



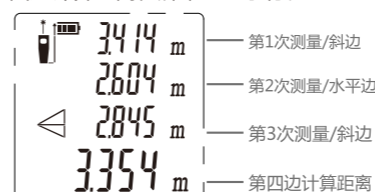
按 键三次，图标 将显示在屏幕上，参照闪烁的边进行第1次测量 (如上图，瞄准最上面的点)，测量距离在屏幕第二显示行；保持仪器水平，仪器默认水平测量；参照闪烁的边进行第2次测量 (如上图，瞄准最下面的点)，测量距离在屏幕第三显示行。第三边计算距离在屏幕主显示行。



间接测量：二次勾股定理测量



按 键四次，图标 将显示在屏幕上，参照闪烁的边进行第1次测量 (如上图，瞄准最上面的点)，测量距离在屏幕第一显示行；保持仪器水平，仪器默认水平测量；参照闪烁的边进行第2次测量 (如上图，瞄准中间的点)，测量距离在屏幕第二显示行；参照闪烁的边进行第3次测量 (如上图，瞄准最下面的点)，测量距离在屏幕第三显示行；第四边计算距离在屏幕主显示行。



加/减功能

加法：短按 键；
减法：长按 键。

距离/面积/体积加减测量
距离/面积/体积测量时，使用 键，将会继续测量下一个距离/面积/体积，并与当前测量值相加/减。
所有加/减功能，可以根据需要重复操作。

历史储存功能

查看：连续按 键，最后20个测量或计算数据将逆序显示出来。

故障 - 原因和纠正方式

所有的信息都以代码或“Error”显示出来。下面所显示的代码及其解释和对应解决方法：

代码	原因	解决方法
204	计算错误	按照说明书，重新操作。
208	电流超标	请与您的经销商联系。
220	电量不足	请更换电池。
252	温度太高	仪器的外部测量温度要在 0°C ~ 40°C。
253	温度太低	请给仪器升温。
255	接收反射光弱，或者测量时间过长	反射面要更易反射，或者使用白板、白纸等。
256	接收信号过强	目标反光过强 (使用白板，或者不要对准强光)。
261	距离量程超标	请在仪器的量程范围之内测量。
500	硬件故障	在仪器开启/关闭多次后还同样出现，请与您的经销商联系。

技术参数

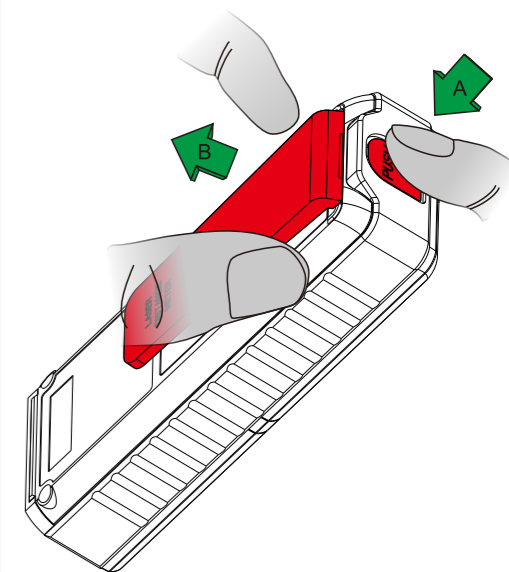
技术参数	
最大测量量程 ¹	0.2~40米
测量精度 ²	±1.5 毫米
测量单位	m / ft / in / ft+in
激光等级	Class 2
激光类型	630-670nm, < 1mW
单次测量	√
连续测量	√
面积，体积测量	√
勾股定理测量	√
加减法	√
最大和最小值测量	√
四行照明显示	√
蜂鸣器	√
历史测量记录	20组
按键	软胶按键
操作温度	0°C~40°C
存储温度	-10°C~60°C
电池寿命	可达5000次测量
电池选择	AAA 2 x 1.5V
激光自动关闭	30秒
仪器自动关闭	3分钟后
长*宽*高 (mm)	120*48*27
重量 (g)	120

1. 量程：
最大量程会依据不同的机型版本而改变，实际量程见机器外包装。在日光或者目标反光不好的情况下，请使用白板或者较好的反射面。
2. 精度：
在良好的测量条件下 (良好的测量表面、室内、室内光照) 可至额定量程。不良测量条件下，如光线过强、被测物表面反光较弱或温差过大，误差会增大。

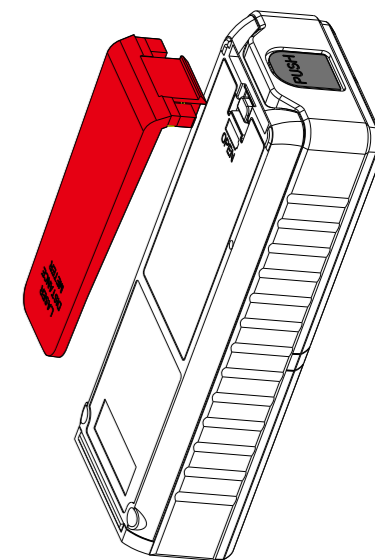


背夹拆卸及安装

A下压，B拔出，同时进行。



打开状态



Laser Distance Meter Quick Start

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.

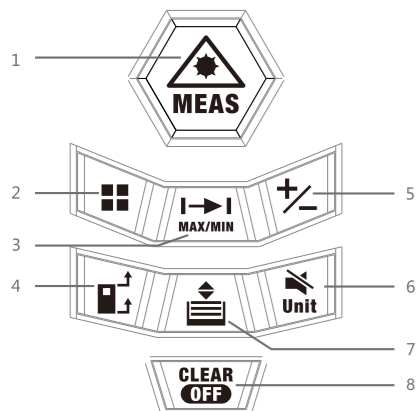
Distance measurement, Area / Volume and Pythagorean calculation are provided to fulfil most of measurement conditions.

WARNING



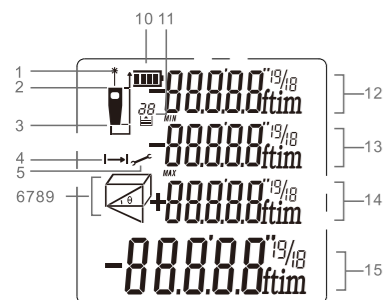
Laser Class 2 products; Do not look directly into the beam with optical aids or direct it towards other people unnecessarily.

Button functions



1. Measure button
2. Area / Volume/Pythagorean button
3. Continuous measurement button
4. Measuring reference button
5. Add(+)/Subtract(-) button
6. Unit/Beep button
7. Historical memory button
8. ON/OFF/Return/Clear button

LCD Display



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

INITIAL OPERATING AND SETTING

Power On / Off

Power on/off (manually)

Long press **CLEAR/OFF** to switch on/off the device.

Power off (automatically)

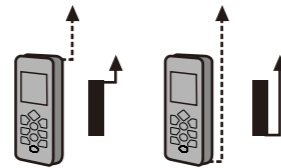
The instrument switches off automatically after three minutes of inactivity.

Return / Clear

When measuring, press **CLEAR/OFF** to undo the last action or clear measured value.

Adjusting Measuring Reference

Press **REF** to switch reference point between the front and the rear of the instrument. There is a beep warning tone when reference point is changed.



The default reference setting is from the rear of the instrument. The reference point will be set to default every time when it's powered off, i.e. the measuring reference point is from the rear of the instrument every time when it's powered on.

Unit Change

Press **UNIT** to change distance unit between m, ft, in and ft+in.

Beep On/Off

Long Press **UNIT** to switch on/off the beep.

DISTANCE MEASUREMENT

Single Distance Measurement

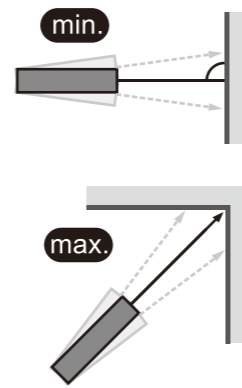
Press **MEAS** to activate the laser.

Press **MEAS** again to trigger the distance measurement. The measured value is displayed immediately.

Continuous Measurement (Min / Max)

Press **MAX/MIN** key to activate continuous measurement. The maximum and minimum distances measured are shown in the display. The last measured value is displayed in the summary line. This function will be stopped automatically after 5 minutes of inactivity.

User can press **MEAS** or **CLEAR/OFF** to stop the function



FUNCTIONS

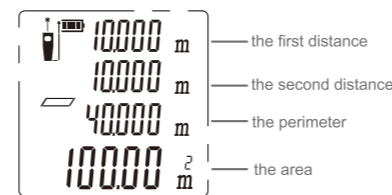
Area Measurement

Press **MEAS** once, the symbol appears in function field of display.

Press **MEAS** to take the first distance measurement (e.g. Length).

Press **MEAS** again to take the second distance measurement (e.g. width).

The results of length, width, perimeter and area are displayed in the screen.

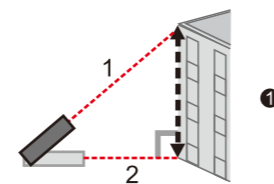


Volume Measurement

Press **MEAS** twice, the symbol appears in the function field on the display.

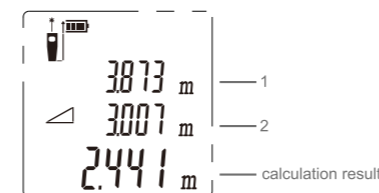
Press **MEAS** to take the first distance measurement (e.g. Length). Next get the width, then height, the result of length, width, height and volume is displayed orderly.

Pythagorean Method-Tow points

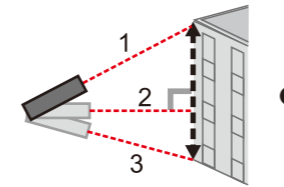


Refer to figure 1. Press **MEAS** 3 times to activate

the function, the symbol appears in the function field on the display. Take measurement with the 2 points shown on below figure in numeric sequence, the height of the object will be calculated automatically and displayed on screen.

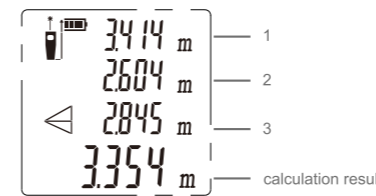


Pythagorean Method-Three points



Refer to figure 2. Press **MEAS** 4 times to

activate the function, the symbol appears in the function field on the display. Take measurement with the 3 points shown on below figure in numeric sequence, the height is calculated and displayed on the summary line. Press **CLEAR/OFF** to delete any measured length and then press **MEAS** to re-measure.



Addition / Subtraction

Addition : short press **+/-**

Subtraction: long press **+/-**

Take a measurement, then press **+/-**, addition / subtraction symbol will appear on

display, then press **MEAS** button to take the second measurement, the second value will be automatically added to/subtracted from the first one.

Note: This process can be repeated as required.

Historical memory

Press **MEMO** to view historical memory, the last 20 measured value will be displayed in reversed order.

Press **CLEAR/OFF** to quit historical value viewing.

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	Battery low	Replace new batteries.
252	Temperature too high	Let device cool down to operating temperature at 0°C-40°C.
253	Temperature too low	Warm up the device to operating temperature.
255	Received signal too weak or measurement time too long	Use target plate or change a good reflective surface.
256	Received signal too strong	Target too reflective, use target plate or do not aim at strong light objective.
261	Outside of the range of measurement	Select the measurement distance within the range of measurement.

Code	Cause	Corrective Measure
500	Hardware error	Switch on/off the device several times. If the symbol still appears, please contact your dealer for assistance.

SPECIFICATION

Specification	
The maximum measuring range ¹	0.2~40m
Measuring accuracy ²	±1.5 mm
Measuring units	m / in / ft / ft+in
Laser class	Class 2
Laser type	630-670nm, < 1mW
Area ,Volume Measurement	√
Indirect Pythagorean theorem	√
Addition and subtraction	√
Continuous measurement	√
Min. / max. value	√
Beep	√
4-line display with backlight	√
Single distance measurement	√
Historical memory	20 sets
Button	Soft rubber buttons
Operating temperature	0°C~40°C
Storage temperature	-10°C~60°C
Battery life	5,000 measurement times
Battery type	AAA 2 x 1.5V
Auto laser off	30 seconds
Auto instrument off	180 seconds
Dimensions (mm)	120*48*27
Weight (g)	120

1. The maximum measuring range is determined by the version of laser distance meter. Exact measuring range is shown on the gift box. During daylight or if the target has poor reflection properties, please use target plate.

2. In favorable conditions (good target surface properties, room temperature), the device can reach up to rated measuring range. In unfavorable conditions, such as intense sunshine, poorly reflecting target surface (black surface) or high temperature variations, the deviation over 10m of distance may increase .

CLIP ASSEMBLY DRAWING

hold down A and simultaneously pull out B

