

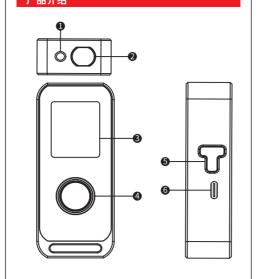
mini款手持式激光测距仪

UNI-T

安全条例 初次使用仪器前,请先仔细阅读安全条款和操作指南

- △ 在使用仪器之前请仔细阅读本手册中的所有操作指南和 安全条例,没有按照本手册所指引的操作方法使用仪器 有可能会造成仪器的损害、影响测量精度、对使用者或第三者的人身伤害。
- △ 不要用任何方式自行打开或修理仪器,严禁非法改装或 改变仪器激光发射器的性能。请妥善保管仪器,不要放置在儿童可以接触到的地方,避免无关人员的使用。
- △ 严禁用仪器激光器照射自已或他人的眼睛及身体其他部 位,严禁将激光器照射在高反光的物体表面上。
- ▲ 仪器电磁辐射可能对其他设备和装置造成干扰,请不要 在飞机或医疗设备附近使用本仪器,不要在易燃、易爆 的环境中使用仪器。
- ⚠ 报废的仪器不可与生活垃圾一同处理,请按国家或者当 地的相关法律规定处理。
- △ 仪器出现任何的质量问题,或对使用仪器有任何疑问时 请及时联系当地经销商或仪器生产厂家,我们将第一时 间为您解决。

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● 激光发射镜头 2 激光接收镜头

3 显示屏

4 电源/测量按键 ∮ 模式切换按键

⑥ Type-C充电口

屏幕显示

• 电量指示

• 测量模式

• 激光发射指示-

• 最大值指示

● 辅显示区

• 最小值指示

• 主显示区

启动仪器、功能设置

● 启动仪器和关闭仪器

进入待测模式。

技术参数

型号

距离测量范围

距离测量精度

连续测量功能 面积体积测量

墙面面积测量

周长测量

勾股测量功能

最大/最小值

激光等级

激光类型

自动切断激光

自动关机

满电测量次数

存储温度范围

工作温度范围

存储湿度

重量

外形尺寸

配件清单

Power Supply -

• Mode

• Laser on

关机状态下,按 ○键,仪器和激光同时启动,仪器

开机状态下,长按 ○键3s关机,或者无操作150s自

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LM40Mi LM50Mi LM60Mi

 $\pm (2.0 \text{mm} + 5 \times 10^{-5} \text{D})^*$

CLASS II

630-670nm,<1mW

20秒(单测量)

3.7V 370mAh锂电池

-20°C~60°C

20%~80%RH

75g 86.5*36.5*19.5mm

证、彩盒

Type-C线、说明书、手绳、保修

0°C~40°C

0.05-40m 0.05-50m 0.05-60n

● 单位设定

测量单位:

激光关闭时,长按 7 键,切换单位,本机默认的单 位为:0.000m 该仪器提供了3种单位可供选择。

		长度	面积	体积	
	1	0.000 m	0.000 m ²	0.000 m ³	
	2	0.0 in	0.00 ft ²	0.00 ft ³	
	3	0.00 ft	0.00 ft ²	0.00 ft ³	

- 测量基准设置 激光打开时,长按 🍞 键进行设置前端基准和末端 基准的相互转换,系统默认为末端基准。
- 内置3.7V 370mAh锂电池,低电时电池图标会闪烁。

● 自助校准功能 自助校准功能主要用于修正数据,当用户测量距离发生

-0.009~0.009m。比如用户认为偏大2mm,可将此值

调整值-0.002m,即可补偿2mm;反之偏小2mm,则

1.进入自助校准:关机状态下,按住♡,同时快速

3.保存校准值:短按 ○,保存当前校准值,并进入

仪器出厂默认带有声音提示功能,用户可根据需要开

1.进入声音开关设置:参考《自助校准》部分,进入

自助校准,跳过修改校准值,直接保存校准值,进

2.切换声音开关:短按 **⑦**切换声音开关,on表示开,

3.保存设置:短按 ○保存设置,并返回到待测量

待测模式下短按 〇键,仪器激光发射,将激光对准

测量目标。再按 〇键进行距离测量,测量结果显示

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短按一次〇开机,屏幕显示"CAL"; 2.修改校准值:短按 ⑦,校准值+1,校准值等于

0.009m时,再次+1,跳转至-0.009m。

入声音设置,屏幕显示"Sound"

偏差时,可用该功能修正距离,修正范围:

自助校准、声音开关

调整至0.002m。操作如下:

声音设置;

单次测量

在主显示区。

● 声音的开启/关闭

续测量。屏幕上辅助显示区会显示此次连续测量过程 中的最大测量值和最小值。 主显示区会显示当前测量值,短按 🔾 键或 😯 键退 出连续测量模式。

待测模式下长按 〇键,屏幕会闪烁显示max/min图

标,此时松开按键(不松开按键,3s后关机),进入连

面积测量

按 7 键一次,屏幕会显示 □、长方形一条边闪烁。 根据提示完成下列操作:

按 〇 键进行第一条边的测量(长)

按 (键进行第二条边的测量(宽) 仪器会自动进行面积运算,结果显示在主显示区。 辅助显示区显示长方形的长和宽的测量值。

按 🎖 键两次,屏幕会显示 🔼 ,平行四边形一条边

闪烁 根据提示完成下列操作:

按 (建进行第二条边的测量(宽)

按○键进行第一条边的测量(长)

仪器会自动进行周长的运算,结果显示在主显示区。

辅助显示区显示平行四边形的长和宽的测量值。 - 6 -

LM40Mi LM50Mi LM60Mi

- 按 🔽 键三次,系统进入体积测量状态,仪器进入体积状 态,屏幕上会显示一个立方体 🗇 ,长闪烁,根据提示完 成下列操作:
- 按 〇键进行第一条边的测量(长) 按 〇键进行第二条边的测量(高)
- 按 键进行第三条边的测量(宽) 仪器会自动进行体积运算,结果显示在主显示区。 辅助显示区显示立方体的高宽的测量值。

- 按 7 四次, 屏幕显示 二, 根据提示完成下列操作。
- 按〇键,测得墙面的高度;
- 按 🔾 键,测得墙面1的宽度1; 仪器会自动计算墙面的面积-高度宽度1;
- 按 🔾 键,开始测量: 再按 〇键,测得墙面2的宽度2; 仪器会自动计算墙面的面积总和 面积总和-高度x 宽度1+宽度2)





勾股定理间接测量

仪器预设有两种利用勾股定理测量三角形单边距离模 式,方便用户在特定复杂环境下进行间接测量。

- ❶ 测斜边和底,间接测量高度 _____ 仪器短按 🔽 键五次进入该三角间接测量模式: 按 键依屏墓提示先测出虚线斜边的长度(a) 按 〇 键测出虚线直角边(底边)的长度(b)
- 仪器自动计算实线直角边(高)的长度(x) ② 测量直角三角形两直角边,间接测量斜边长度
- 点击 🕜 键六次,屏幕显示: ______ 直角边闪烁 按 〇 键依屏幕提示测出一条虚线的长度(a) 按 〇 键测出另一条虚线角边的长度(b)

仪器自动计算实线斜边的长度(x) 勾股测量模式下,直角边必须小于斜边长度仪器才能 计算,否则仪器会显示错误信号提示。在勾股测量模 式下,为保证测量的精度,须确保从同一个起始点测

量,并按斜边、直角边测量顺序测量。

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提示信息

Err3 电池电压过低 对电池进行充电

Err4 超出工作温度范围 让仪器在指定环境中使用

使用过程中,主显示区可能会出现如下提示信息:				
信息 原因		解决方法		
Err	超出距离测量范围	让仪器在量程范围内使用		
Err1 信号过弱		测量反射能力强的目标点		
Err2	信号过强	测量反射能力弱的目标点		

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仪器日常保养 ● 禁止将仪器长期放置在高温高湿的环境中储存,长 期不使用仪器时,请把仪器放置在随机的仪器盒内

Err5 勾股测量违规 重新测量,确保斜边大于直角边

放在阴凉干爽处存放。 • 请保持仪器表面清洁,可用湿的软布擦拭表面灰尘, 不可用带有腐蚀性洗液清洁仪器。可按照擦拭光学

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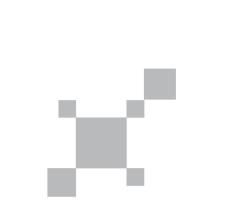
器件表的方法擦拭激光器窗口和聚焦镜。

*"d"表示实际距离 ** 在恶劣环境下如:阳光过于强烈。环境温度波动过大, 反射面反射效果较弱,电池电量不足的情况下测量结果会 有较大的误差,此种情况配合目标反射板使用效果更佳。 - 10 -

购买仪器时请按下列清单认真检查仪器所有附件是否

两大区都时间投下列用半以具位重区都们有的 完整?						以奋 们 有的计定点
		项目	名称	单位	数量	备注
		1	主机	台	1	
		2	说明书	本	1	
		3	彩盒	个	1	
		4	Type-C线	条	1	
		5	手绳	个	1	
		6	保修卡	张	1	

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尤利德。

by 0.002m. Operation:

Sound on/off

优利德科技(中国)股份有限公司

地址:中国广东省东莞松山湖高新技术产业 开发区工业北一路6号 电话:(86-769)85723888 邮编: 523 808 http://www.uni-trend.com.cn 执行标准: Q/YLD 31-2023

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Mini Laser Distance Meter **User Manual**



⚠ (€ △² **⊗** Safety Regulations Please read the safety regulations and operation guide carefully before operating. \triangle Please read all of the operational guide and safety

- regulations in this manual before operation. Improper operations without complying with this manual may cause damage to the device, influence on measurement result or cause personal injury to the user or a third party. ⚠ 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 being used by any irreleval ⚠ It is strictly prohibited to shoot eyes or other parts of body
- with the laser. It is not allowed to take the laser to shoot the surface of any highly reflective objects. △ 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 meter device should not be processed just like household garbage, please handle it 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.

Laser Emitting Lens
 Power/Measure Button

- 2 -

2 Laser Receiving Lens 6 Mode Switch 6 Type-C Charging Port

Turn on/off the Instrument

Auxiliary Display Area

Minimum Value

Major Display Area -

Under off state, press O , device and laser get started simultaneously and the device enters the measurement mode. Under on state, long press \(\Omega\) for 3s to turn off the device, or it will automatically shut off without any operation within 150 seconds.

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Unit Setting

When the laser is turned off, long press $\mathbf{\nabla}$ to switch the measurement unit. The default unit is: 0.000m. There are 3 units for selection.

easurement units:					
Length Area Volume			Volume		
1	0.000m	0.000 m ²	0.000 m ³		
2	0.0 in	0.00 ft ²	0.00 ft ³		
3	0.00 ft	0.00 ft ²	0.00 ft ³		

Changing Reference Point

When the laser is turned on, long pres 7 to change the reference point. The default reference point is the terminal baseline.

Battery Built-in 3.7V 370mAh lithium battery, the battery icon will flash when the battery is low.

ITEM

Dimension

Self-calibration Function

The self-calibration function is m correct data. If the deviation occurs when the user measures the distance, this function can be used for distance correction.

surement Range 0.05-40m 0.05-50m 0.05-60m

LM40Mi LM50Mi LM60Mi

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and the screen displays "sound"; 2. Turn on/off sound: Press 😯 to turn the sound on or off. "on" means to turn on the sound, off means to turn off the sound;

3. Save settings: Press O to save settings and return to the state to be measured.

The correction range is -0.009~0.009m. For example if the data is 2mm too large, reduce the value by

0.002m; If the data is 2mm smaller, increase the value

1. Enter self-calibration: In the shutdown state, press

and hold the 7 key, and at the same time quickly

press the O key to start the instrument up, and the screen displays "CAL";

2. Modify calibration value: Press key to increase

the calibration value by 1. When the calibration

value by 1 again and jump to -0.009m.

prompt according to their needs.

value is equal to 0.009m, increase the calibration

3. Save calibration value: Press O to save the currer

calibration value and enter the sound setting.

The instrument is equipped with sound prompt f

unction by default. Users can turn on/ off the sound

1. Enter sound setting: Refer to "Self-calibration" to

calibration value directly to enter the sound setting

enter the self-calibration. Skip the step of

modifying the calibration value, save the

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the below instructions for area measurement: Press O once for length Press O again for width The device automatically calculates the area and shows the result in the major display area. The

Under the test mode, press O, and the instrument

emits laser to lock the measuring point. Press O

measurement result will be displayed in the major

Under the test mode, long press O and max/min

will flash on the screen, then release the key to

enter the continuous measurement mode, power

off in 3 minutes without releasing the button and the

maximum and minimum measured values measured

in the continuous measurement process will display

The current measurement value will display in the

main display area. Short press 🔾 or 😯 to exit the

side of rectangle blinks at the display, please follow

in the auxiliary display area.

continuous measurement mode.

again for single distance measurement, and the

display area.

measuring results of the length and width of the rectangle will be showed in the auxiliary display area. - 6 -

LM40Mi LM50Mi LM60Mi

Press 7 twice, shows at the screen. One of the side of the parallelogram blinks at the display, please follow the below instructions for perimeter measurement:

mode. A m will show at the top of the screen, and its longsides will blink. Please follow the below instructions for volume measurement:

Press O once for length Press O again for height Press of finally for width

The device automatically calculates the volume and shows the result in the major display area. The measuringresults of the height and width of the cube will be showed in the auxiliary display area.

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Metope Area Measurement

Press $\mathbf{\nabla}$ four times till $\mathbf{\square}$ shows at the display. Please follow the below instructions for metope area measurement:

- 1 -



of two legs.

Short press six times, one leg of is blinking. Press O , measure the length of one leg (a) Press , measure the length of another leg (b)
Device automatically calculates the length of hypotenuse (x) Legs must be shorter than hypotenuse, or there will

be "err" showed at screen. In order to guarantee the

accuracy, please make sure all measurements are started from the same point and in the order of

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hypotenuse and legs.

During use, the following prompts may be displayed in the major display area: Cause Solution

Measurement	√		
Metope Area Measurement	√		
Area/Volume Measurement	√		
Perimeter Measurement	√		
Pythagorean Measurement	√		
Min/Max Value	√		
Laser Level	CLASSII		
Laser Type	630-670nm,<1mW		
Automatically Cut off Laser	20s (single measurement)		
Auto Power-off	150s		
Battery	3.7V 370mAh lithium battery		
Full charge measurement times	8000 times for single measurement		
Storage Temperature	-20°C~60°C		
Working Temperature	0°C~40°C		
Storage Humidity	20%~80%RH		
101-1-1-1	75-		

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Precision	±(2.0mm+5×10 ⁻⁵ D)*		
Continuous Measurement	√		
Metope Area Measurement	√		
Area/Volume Measurement	\checkmark		
Perimeter Measurement	√		
Pythagorean Measurement	√		
Min/Max Value	√		
Laser Level	CLASS II		
Laser Type	630-670nm,<1mW		
Automatically Cut off Laser	20s (single measurement)		
Auto Power-off	150s		
Battery	3.7V 370mAh lithium battery		
Full charge measurement times	8000 times for single measurement		
torage Temperature	-20°C~60°C		
orking Temperature	0°C~40°C		
Storage Humidity	20%~80%RH		
Weight	75g		
Dimension	86.5×36.5×19.5mm		

"d" indicates the actual distance ** In harsh environment, such as: sunlight is too strong, the ambient temperature fluctuates excessively, the reflection effect of the object's surface is weak, the battery is low, the measurement results will have a large error, so a reflecting plate is needed.

and humid environment for a long time. If it is not used very often, please place the meter in the box and store it in cool and dry place.

• Please keep the device surface clean. Use a soft wet cloth to wipe the dust on the surface. Do not use corrosive liquid to clean the device. Use the same method as wiping optical devices to wipe the meter and focusing mirror.

Please check if all accessories are complete a ccording to the following list.

No. Item Unit QTY Note

		100			
	1	Meter	рс	1	
	2	User Manual	рс	1	
	3	Gift Box	рс	1	
	4	Charging Cable	рс	1	
	5	Hand rope	рс	1	

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