



说明书材质要求: 105g 有光铜版纸	说明书成品尺寸: 52*74mm
第一, 专色用6级防磨油墨+CMYK油墨要求: 1. PANTONE137C专色油墨(专色用6级防磨油墨): 如果自己配色, 油墨配比为: 四联中黄(防磨)200g 四联金红(防磨)225g 2. C色油墨: 酒联金蓝墨 3. M色油墨: 酒联金红墨 4. Y色油墨: pantone123C专色油墨 5. K色油墨: 酒联黑墨	第二, 特别注意: 1. 印刷时看样请参考我司提供的实物样品颜色。不得偏色 2. 137C的专色不得参考C=0, M=35, Y=90, K=0对应的四色色值颜色来看样印刷  Pantone 137C  Black (两色印刷)
折叠方式: 风琴折(彩联)	备注:

特别注意: 此页内容不印刷

风琴折 + 对折 页面顺序

16P 页面顺序

9	10	11	封面
12	13	14	封底
1	2	3	4
5	6	7	8

20P 页面顺序

11	12	13	14	封面
15	16	17	18	封底
1	2	3	4	5
6	7	8	9	10

更改记录	1. 新制作			1. 更改波长 红光波长 改成 635-650nm 绿光波长 改成 510-530nm			1. 货号加带xy的形式		
	0024.V01	2024.6.15	CXY	1024.V02	2024.10.08	QL	1024.V03	2024.10.25	QL
	版本号	日期	设计师	版本号	日期	设计师	版本号	日期	设计师

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**PRODUCT
MANUAL**

SELF-LEVELING LINE LASER



HLL156601 HLL156503
HLL156601xy HLL156503xy
x(blank,1,2,3,4,5,6,7,8,9,E,S,A,M)
y(blank,-1,-2,-3,-4,-5,-6,-7,-8,-9,E,S,A,M)



SCAN FOR VIDEO

Original Instructions

ADDITIONAL SAFETY WARNING

LASER RADIATION

DO NOT STARE INTO BEAM

CLASS 2 CONSUMER LASER

PRODUCT

EN 50689:2021

⚠ CAUTION!

While the product is in operation, be careful not to expose your eyes to the emitting laser beam. Exposure to a laser beam for an extended time may be hazardous to your eyes.

Glasses may be supplied in some of the laser tool kits. These are NOT certified safety glasses. These glasses are only used to enhance beam visibility in brighter environments or at greater distances from the laser source.

⚠ WARNING!

Read the Safety Instructions and User Manual thoroughly before using this product. All users must fully understand and adhere to these instructions.

The following label/print samples are placed on the product to inform you of the laser class for your convenience and safety.

Do not stare directly into the beam, view directly with optical instruments, or set up the laser at eye level.

Do not disassemble the laser tool. There are no user-serviceable parts inside.

Do not modify the laser in any way.

Modifying the tool may result in hazardous Laser Radiation Exposure.

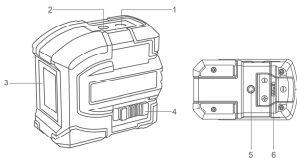
Do not operate the laser around children or allow children to operate the laser; this may result in serious eye injury.

An exposure to a Class 2 laser beam is considered safe for a maximum of 0.25 seconds. Eyelid reflexes will generally provide adequate protection.

INTENDED USE

The measuring tool is intended for determining and checking horizontal and vertical lines. The measuring device is suitable exclusively for operation in enclosed working sites.

SPECIFICATIONS



Components

- | | |
|-----------|------------------------|
| 1.Mode | 4. Pendulum lock |
| 2.Impulse | 5. 1/4" Screw hole |
| 3.Windows | 6. Battery compartment |

Technical specifications

Model No.	HLL156503 HLL156503xy
Laser color	red
Working range	0-18m
Levelling accuracy	$\pm 1.5\text{mm}@7\text{m}$
Line accuracy	$\pm 1.5\text{mm}@7\text{m}$
Levelling time	$\leq 3\text{s}$
Self-levelling angle	$\leq 4^\circ$
Laser type	635-650nm
Laser class	2, <1mW
Input	4.5V DC (3x1.5V AA battery)

Technical specifications

Model No.	HLL156601 HLL156601xy
Laser color	green
Working range	0-35m
Levelling accuracy	$\pm 1.5\text{mm}@7\text{m}$
Line accuracy	$\pm 1.5\text{mm}@7\text{m}$
Levelling time	$\leq 3\text{s}$
Self-levelling angle	$\leq 4^\circ$
Laser type	510-530nm
Laser class	2, <1mW
Input	4.5V DC (3x1.5V AA battery)

Model No. NOTE:

x (blank, 1,2,3,4,5,6,7,8,9,E,S,A,M);

y (blank, -1,-2,-3,-4,-5,-6,-7,-8,-9,E,S,A,M)

- Manufacturer reserves the right to change specifications without notice. Specifications may differ from country to country.

OPERATION

Initial operation

Protect the measuring tool against moisture and direct sunlight.

Do not subject the measuring tool to extreme temperature or temperature variations. In case of significant temperature variations, allow the measuring tool to adjust to ambient temperature before putting it into operation.

Avoid heavy impact to or falling of the measuring tool.

Switch off the measuring tool during transportation.

Operation models

NOTE: Please keep the Lock switch at the "OFF" position during moving the laser level or storing it.

Self-leveling mode

Switch the pendulum lock to the "ON" position, and the laser level enters self-leveling mode, and the laser lights up.

The laser will self-leveling within $\pm 4^\circ$, and the keyboard will glow green/red at this time. If the laser is out of level, the laser will blink, and the keyboard will light yellow.

Switch the pendulum lock to the "OFF" position to turn off the laser level. Note that the laser level cannot be turned off by the button in this mode.

Manual mode

1. When the lock switch is in the "OFF" position, press the key button to enter the manual mode, and the keyboard will glow green/red.
2. The laser will be locked in this mode, which meets your alignment needs from different angles.

3.Short press the key button to power off.

MAINTENANCE&MALFUNCTIONS

- Maintain and keep the measuring tool clean at all times.
- Regularly clean the surfaces at the exit opening of the laser, and pay attention to any fluff or fibers.
- Wipe off debris using a moist and soft cloth, do not use any cleaning agents or solvents.
- Do not immerse the measuring tool in water or other fluids.
- If the laser level is unusable; it should be repaired by an authorized after-sales service. Do not open the measuring tool by yourself.
- In case of repairs, send the measuring tool packed in its protective packing.
- Store the tool in its case when not in use. If storing for an extended time, remove batteries before storage to prevent possible damage.

- Do not dispose of this product with household waste.
- Always dispose of batteries per local code.
- Please recycle in line with local provisions for collecting and disposing of electrical and electronic waste under the WEEE Directive (Waste Electrical and Electronic Equipment Directive)



MADE IN CHINA 1024.V03

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