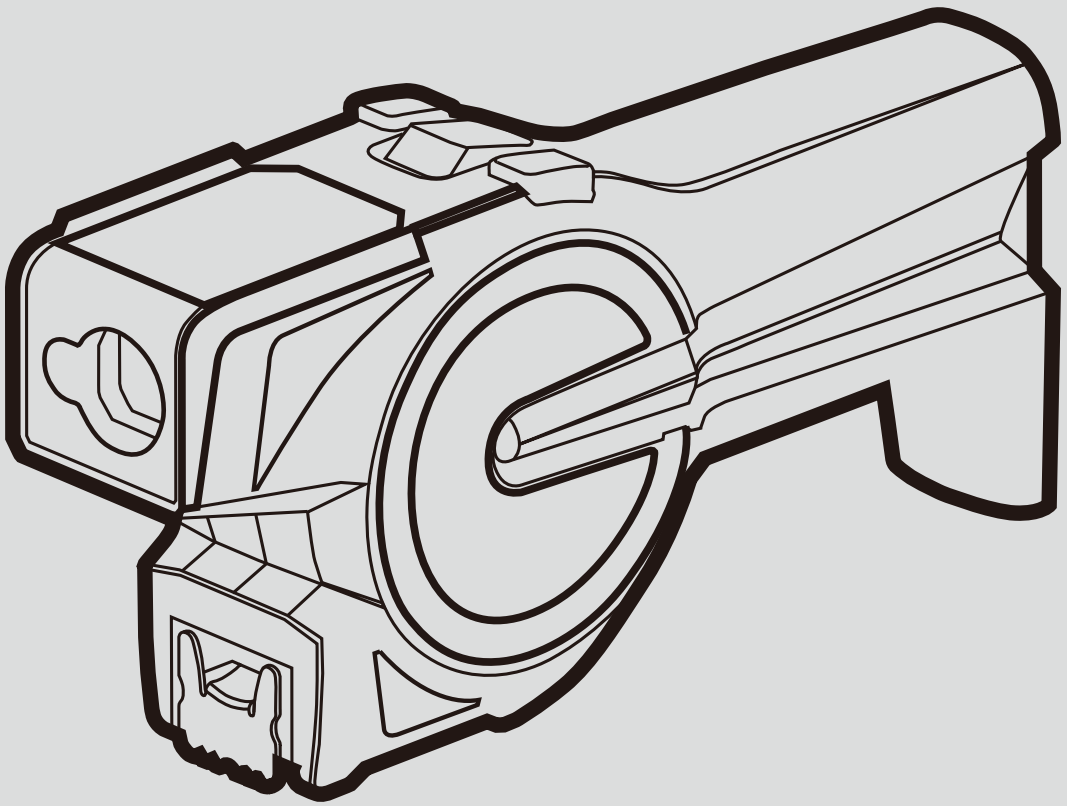


DTX10
3-in-1 Measuring Equipment

User Manual

FCC Statement:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

--Reorient or relocate the receiving antenna.

--Increase the separation between the equipment and receiver.

--Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

--Consult the dealer or an experienced radio/TV technician for help.

MODIFICATION: Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the device.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

Contents

Product Overview

Thank you for purchasing and using the Handheld Laser Tape Measure. Please read the instruction manual carefully before use.

DTX10 is an innovative integrated measuring instrument that consists of an conventional 16 feet x 25mm steel tape measure, a photoelectric decoding digital tape measure with ultra-high accuracy within 1mm , and an ultra-long range laser distance meter with measuring distance up to 330ft.

DTX10 has premium quality tape blade, and is currently the world most accurate digital tape measure. It features a green laser line extension that provides users with a clear visible reference that helps capture a fast and accurate measurement.

The DTX10 features the user-friendly setting of 'Big Text' on screen, which brings more intuitiveness for data reading thanks to the enlarged text size.

DTX10 allows users to set the display number to zero when the tape blade is pulled out at a particular point, which brings great convenience when users need to make incremental measurements of several segments.

DTX10 has a total of 7 internal modes of distance calculations that meet various measurement needs of our customers. Along with the original setting of single measurement, there are also continuous measurement, incremental measurement, area & volume calculation, auto height & auto level distance finding.

Safety Instruction

The safety instructions should be read through carefully before the product is used for the first time.

Warning:

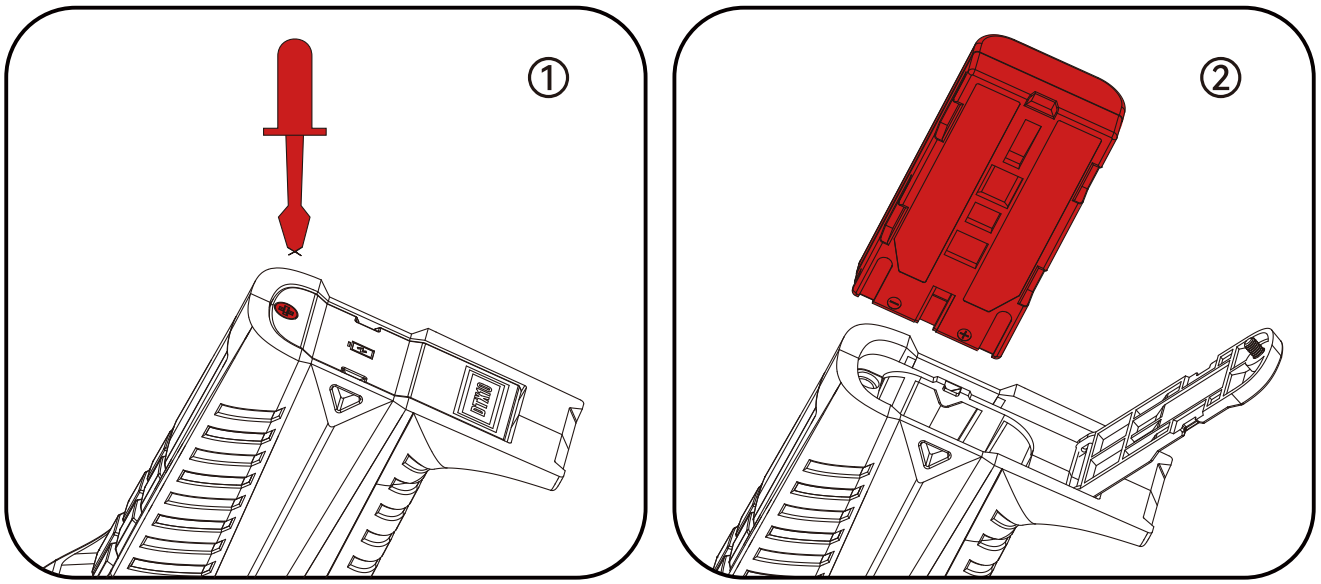
a. The device is categorized into Class 2 laser product.DO NOT stare at laser directly or shoot at others or it will cause damage to eyes.
b. The product is in accordance with strict standards and regulations through the development and manufacturing, but still can't entirely exclude the possibility of interference to other devices, and may cause discomfort to human and animals.

Please DO NOT use this product under explosive or corrosive environment.
Please DO NOT use this product near medical devices.
Please DO NOT use this product on the plane.
①Disposal:
Everyone is responsible for environmental protection. It's prohibited to dispose of batteries together with household waste. Please collect used batteries to designated waste station. This product must not be recycled with household waste. Please dispose of the

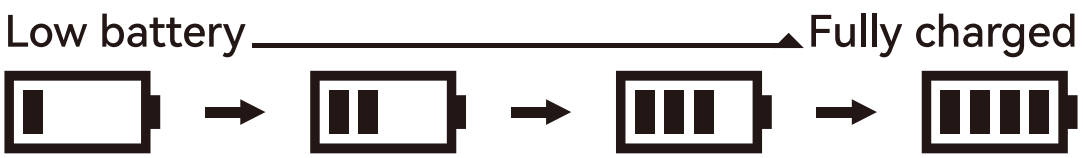
product appropriately in accordance with the national regulations in your country.
The safety instructions should be read through carefully before the product is used for the first time.
②Range of Responsibility:
We will not be responsible for the damages caused by improper use below:
*Using the product without instruction;
*Use of accessories from other manufacturers without approval from us ;
*Carrying out modification or conversion of the product.

Battery installation & instructions

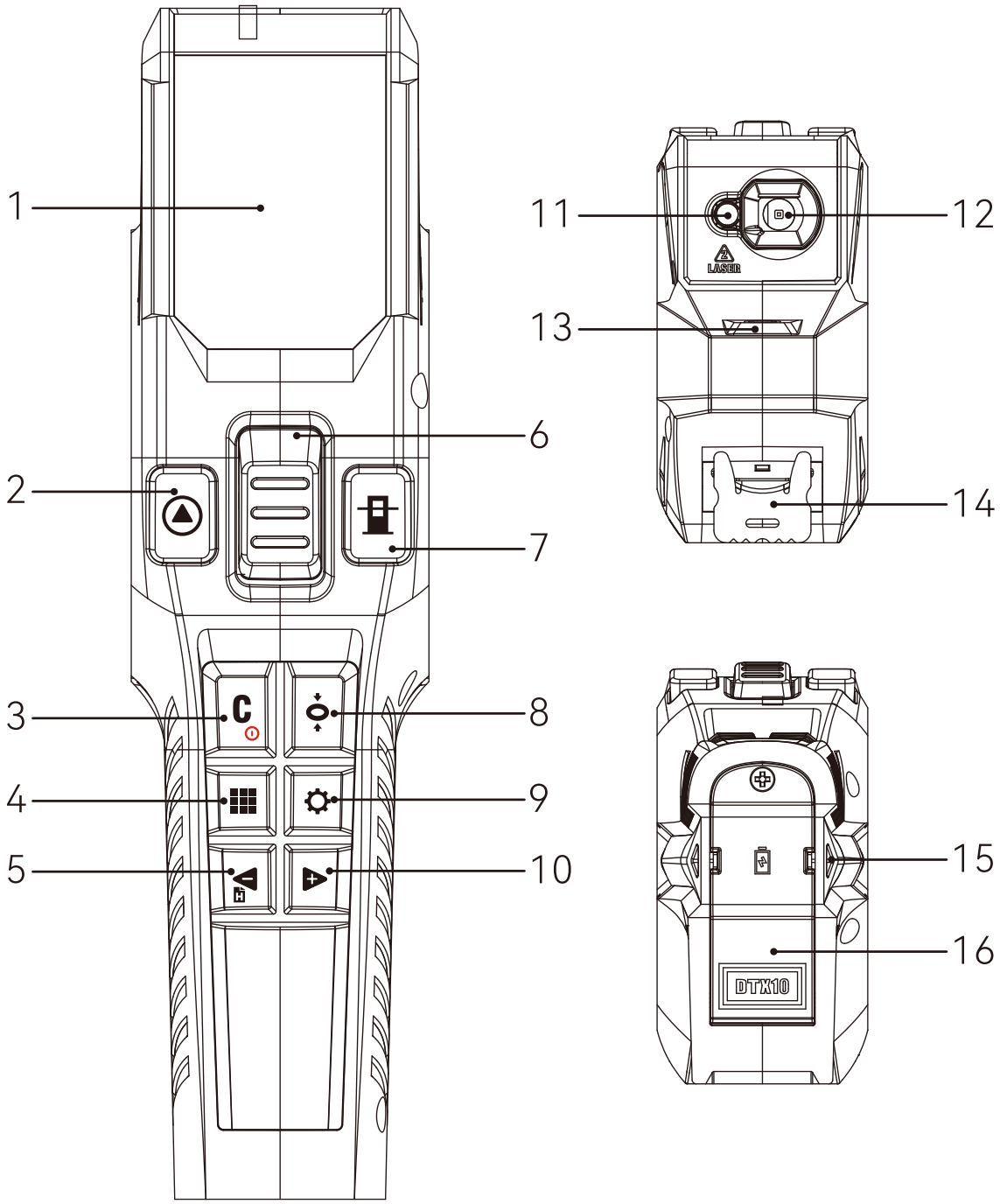
Use a screwdriver to open the back cover at the end of the device, and you can take out the 2600 mAh lithium battery charging pack that includes a USB-C charging port. After it is fully charged, it can be put back into the device and the back cover of the battery pack should be installed so that the device can be used normally.



This product is powered by a removable lithium battery pack. When charging the lithium battery pack, please use the original USB cable to plug into the power outlet for charging. It can also be connected to a computer to charge, but it will take longer.



Appearance



1.Display screen
2.Measurement button
3.Power on/off button
Short press to clear data; long press to power on/off.
4.Function button
Short press to enter the function options, and short press again to confirm after completing the selection.
5.Minus button/history button
Short press to calculate and subtract; turn the page to the left in the function options; and select up in the setting options;
Long press to enter history.
6.Tape brake button
7.Reference
Short press to shift between front reference, green laser line reference, and rear reference.
8.Zeroing
9.Setting button
Short press to enter the setting options; short press again to confirm after completing the selection.
10.Add button
Short press to calculate addition; turn the page to the right in the function options, and select down in the setting options.
11.Laser emitting lens
12.Laser receiving lens
13.Green line extension laser lens
14.Blade hook
15.Lanyard hook
16.Battery cover

Setting Icon

Short press the setting button to enter the setting function option; press the button to switch options; short press the setting button to enter the submenu after selection; press the button to switch sub-options; press the setting button to confirm; press to C exit the option.

Units①	m	ft	in	' "
Wireless data communication②				
Sound				
Screen orientation③				
Text color				
Display mode④				
Digital blade color⑤					
Constant setting⑥				
Blade replacement⑦				

①Unit switch

The unit can be switched between metric and imperial units.

②Wireless data communication settings

Wireless data communication can be turned on or off to connect to the Smart Life app. Measured data can consequently be transmitted from the laser tape measure to mobile terminals.

③Screen orientation

The screen orientation can be adjusted to the left and right for easy reading by both left and right-handed users.

④Display mode

There are three display modes: Digital Blade mode, Multi-line Data mode, and Big Text mode. All three modes can be used for digital tape and laser tape measurements. Digital Blade mode and Big Text mode can only be used for single and continuous measurements.

⑤Digital blade color

The Digital Blade display can be set to one of five colors: Classic Yellow, Pure White, Elegant black, Fresh Green and Lovely Pink.

⑥Constant setting (laser measurement)

When the constant is turned on, all measurement results will be added or subtracted by the set constant value.

⑦Tape replacement

Calibration can be performed on newly replaced tape.

Operation instructions

Wireless Data Communication (330ft version only)

The measuring device:

After turning on the device, enter the settings, and switch to wireless communication; the flashing icon means that the wireless connection is in progress, and the fixed display means that the wireless connection is successful.

The mobile device:

Turn on the wireless communication on mobile phone. Open the App and click “add device”. After the connection is successful, the wireless communication icon on the measuring device no longer flashes. At this time, the users can perform functions such as data transmission and data labeling through the App. Note that the Wireless Data Cmmunication function needs to be used in conjunction with the mobile phone App, and the users need to download the “Smart Life” App in advance.

App Download

Scan code

Step 1

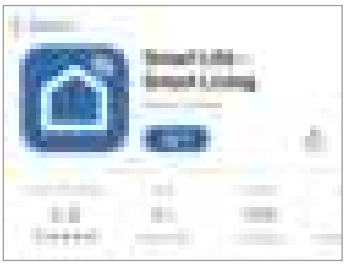
Jump to the App Market

Google play

APP Store

Step 2

Search and install "Smart Life"



Step 3

Open the APP to connect the device

Step 4

Operation instructions

Upon startup, the device enters laser measurement mode by default, and when the blade is extended, it automatically switches to digital tape mode and the laser measure is disabled. The laser measure will be activated again when the tape measure retracts back to zero.

Digital tape measure operation instruction

The blade hook

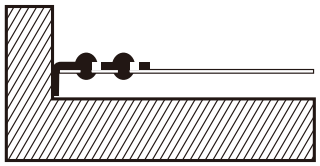
The blade hook is professionally designed for 0-point correction to ensure accurate measurement results.

Measurement method A: Push against

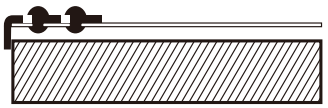
Take the outer surface of the hook blade as the base point of the 0 scale. After the hook blade pushes against the object, it will retract for a small distance. The retracted length is the thickness of the hook blade(1mm).

Measurement method B: Hook over

Take the inner surface of the ruler hook as the 0 scale base point. The tape blade will move and stretch for a small distance after the hook blade is hooked over the edge of an object, and the stretching distance is 1mm.



Measurement method A:
Push Against



Measurement method B:
Hook Over

Operation function Instructions

Single measurement

When the blade is pulled out, the device automatically switches to digital tape mode . The icon blinks to indicate that measurement is in progress. By pulling or retracting the tape blade , the screen displays the measurement value in real-time. Press the measure button to record the data. To restart the digital tape measure, simply pull the tape blade again.

Area measurement

Short press to access the options of measurement functions, and then short press to switch to the target function of area S. Refer to the red segment indication on screen; pull out the tape blade to the measured point, and press the measure button to acquire the distance (length) of the first segment. Then pull the tape blade again; press the measure button to record the distance (width) of second segment. The values of perimeter and area are automatically calculated and displayed on the screen.
Note: If you have selected the area measurement while in laser measurement mode, you can swiftly switch to the digital tape measure mode for area measurement by pulling out the tape blade.

Volume measurement

Short press ⊞ to access the options of measurement functions, and then short press ◀ ▶ to switch to the target function of volume V . Refer to the red segment indication on screen; pull out the tape blade to the measured point, and press the measure button ▲ to acquire the distance (length) of the first segment. Then pull the tape blade again; press the measure button ▲ to record the distance (width) of second segment. Then pull the tape blade one more time and press the measure button ▲ to record the distance (height) of third segment. The value of volume will be automatically calculated and displayed on the screen.

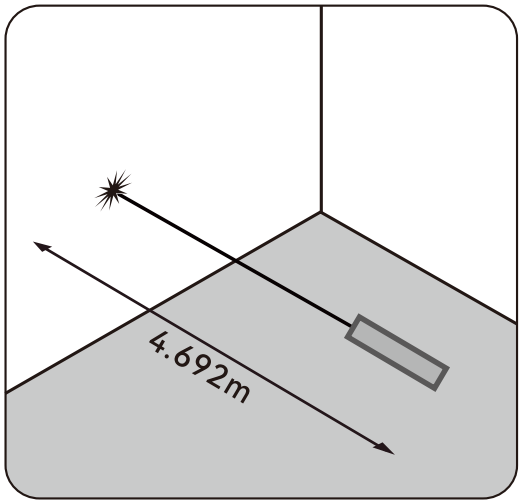
Note: If you have selected the volume measurement while in laser measurement mode, you can swiftly switch to the digital tape measure mode for volume measurement by pulling out the tape blade.

Laser distance meter operation instruction

Single measurement		Continuous measurement	
Area	S	Volume	V
Auto level distance finding		Auto height finding	

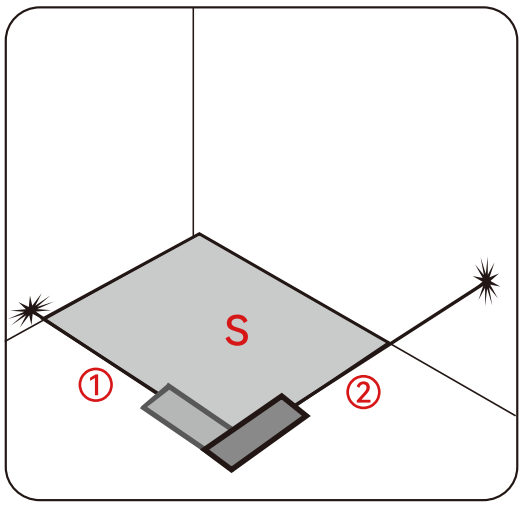
Single measurement

After starting up, press the measurement button ; the laser turns on, and enters the single measurement mode by default;aim the laser at the measurement target; press , and the measurement result is displayed on the screen. Press again for the next data measurement.



Area measurement

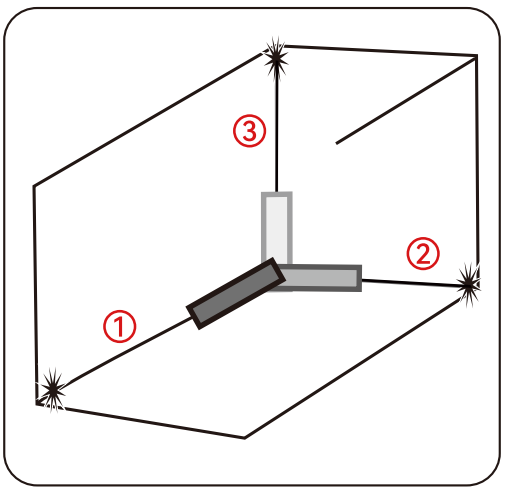
After turning on the device, press the measurement button, and then press to enter the measurement function options; short press to switch functions, and switch to the area measurement mode S. Referring to the red segment indication, aim the laser at the first point of the measurement target; press the measurement button, measure the length (length) of the first side; then align it with the second point, press the measurement button again, and the values of the perimeter and the area are displayed at the bottom of the screen.



Volume measurement

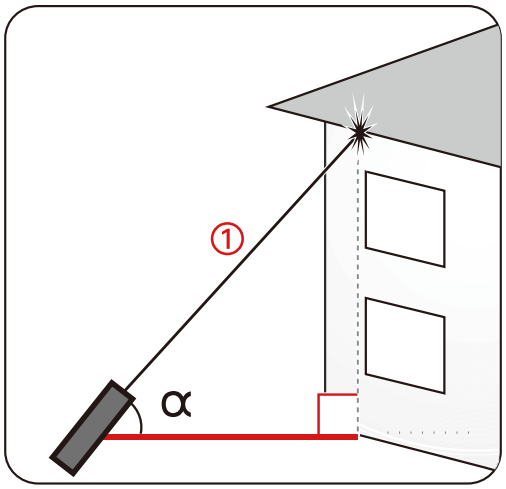
After starting up the device, press the measure button to activate the laser. Short press to enter the measurement function options, and then press to switch to functions and switch to the volume measurement option V. Referring to the red segment indication, aim at the target point, and

press the measure button to record the first distance (length). Press the measure button again to record the distance of the second distance (width). Press the measurement button once more to measure the third distance (height). The calculated volume will be displayed on the screen.



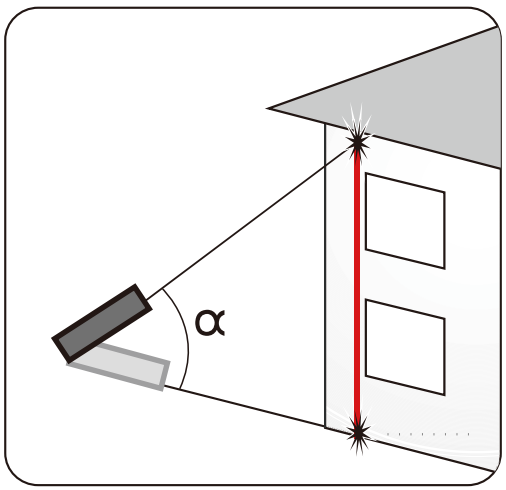
Auto level distance finding

After turning on the device, press the measurement button, and the laser will turn on. Short press to enter the measurement function option; short press to switch functions; switch to automatic level distance finding mode; refer to the red segment of hypotenuse; short press the measurement button ; the distance of the hypotenuse, the angle between the hypotenuse and the level segment, and the level distance will be displayed on the screen.



Auto height finding

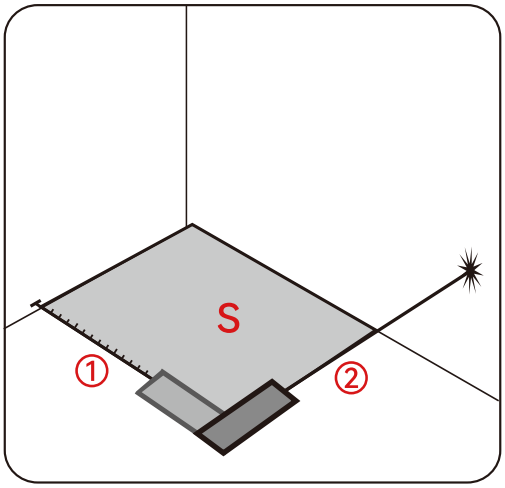
After turning on the device, press the measurement button, and the laser will turn on. Short press to enter the measurement function option; short press to switch the function; switch to the automatic height finding mode ; refer to the red segment of hypotenuse; short press to get the distance of first hypotenuse, and then press the measurement button to get the length of the second hypotenuse; the included angle of the two hypotenuses and the vertical height will be displayed on the screen.



Mixed data calculations

Note: Area and volume can be calculated based on mixed data values from the laser measure and tape measure. Take area measurement as an example:

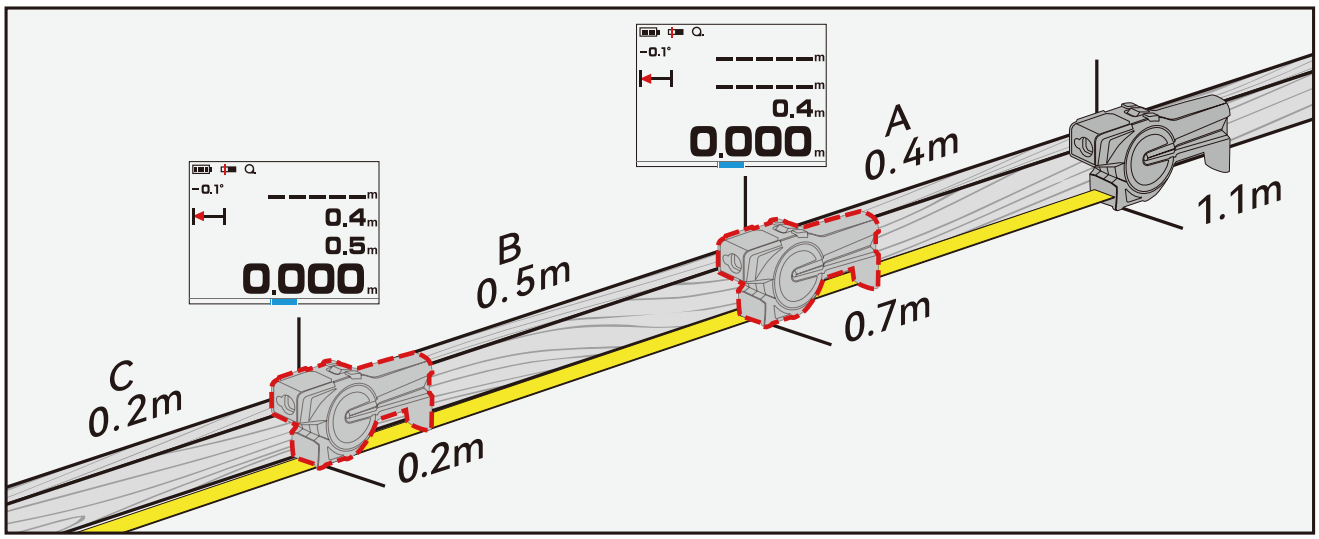
After starting up the device, press and page up or down by pressing to access the measurement function of area S. Refer to the red segment indication; aim at the target point using the laser; then press the measurement button , and the laser measure will record the distance (length) of the first segment. Pull out the tape blade to the measured point, and it will automatically switch to the tape measure mode. Press the measurement button again, and use the tape measure to obtain the distance (width) of the second segment. The values of perimeter and area will be displayed on the screen.



Incremental measurement

Pull out the tape measure to enter the digital tape mode , and the icon on the screen blinks to indicate the measurement is in progress. As you pull out the tape blade, the screen displays the measurement value in real-time. Press the zeroing button to record the first measurement data and resets the tape measure data to zero. When you continue pulling the tape measure, the zero point becomes the new starting point for measurement.

Please note that after the first measurement value is cleared to zero, pulling the tape blade forward will display a positive value, while retracting it backward will display a negative value.



Technical specification

Screen Display	IPS
Screen Size	2.0”
Laser Range①	330ft
Minimum Display Unit	0.001m
Units	m/ft/in/ft+in
Reference	Front reference/green laser line reference/ rear reference
Blade Accuracy	± 1.5mm
Digital Accuracy	< 1mm
Laser Distance Measurement Accuracy②	±(2.0mm+5×10^{-5}D)
Measurement Angle③	±(0.3°+0.1°+0.01*A)
Laser Class	Class 2
Laser Type	630-670nm，<1mw
Green Marking Laser Type	510-530nm，<1mw
Single Measurement	√
Continuous Measurement	√
Max/Min Value	√
Area	√

Volume	√
Auto Level Distance Finding	√
Auto Height Finding	√
Measurement from Mixed Data Sources	√
Incremental Measurement	√
Add/Subtract	√
Angle Sensor	√
Big Text Mode	√
Constant Settings	√
Wireless data communication	√
Tape Blade replacement	√
Digital Display	√
Battery indicator	√
Lanyard Hook	√
Memory	30 values
Auto Power Switch-off	After 180s of inactivity
Auto Laser Switch-off	After 30s of inactivity
Battery Type	2600 mAh Rechargeable Li-ion Battery

Full Power Working Time	8h
Laser Marking	Green Laser Line Marking
Tape Blade	16ft*0.08ft Nylon-coated Steel Blade
Storage Temperature	-10℃ ~ 60℃
Operating Temperature	0℃ ~ 40℃
Dimension(mm)	204*51*96mm
Weight(Weithout battery)	530g
Humidness	0-90%
Altitude	2000m
Pollution degree	Level 2
Waterproof class	IP20
Rating volatage	7.3V
Rating current	400mA
Indoor	

①Range
The range data is based on the default reference; the maximum range will vary according to different model versions, and the actual range can be found on the outer packaging of the device.

②Accuracy
If measuring under favorable conditions, such as smooth surface, proper temperature and indoor lighting, the device is

able to work within certain range as indicated. If measuring under unfavorable conditions, such as strong light, uneven surface and improper temperature, the error will be enlarged.

③When the angle surpasses 10 degrees, the reading of angle measurement will only display integer-level precision without decimals.

Tips: In case of poor sunlight and bad reflection of the object, Please use the target plate or reflector.

Error code

The cause of the fault and the corresponding solution are as follows:

Cause	Corrective measure
Calculation error	Refer to user manual, repeat the procedures.
Low Battery	Replace batteries or charge the batteries.
Received signal too weak or measurement time too long	Improve the reflective surface. (Use target plate, white paper)
Received signal too strong.	Improve the reflective surface. (Use target plate, or don't aim at strong light)
Out of measuring range	Measuring the distance within measurement range.
Hardware error	Switch on/off the device; if the symbol still appears after several times, please contact with your dealer.

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Contact us

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