MILESEEY® TOOLS

SPACE master™

D9 PRO

User's Guide

Safety Instructions

Please carefully read and adhere to all the instructions provided below. Failure to do so could potentially lead to dangerous radiation exposure, electric shock, fire, or serious injury.

WARNING

1. Be cautious of inaccurate measurements in case the instrument is faulty, has been dropped, misused, or modified. Perform regular test measurements, especially after the instrument has been exposed to unusual conditions, and before, during, and after important measurements.

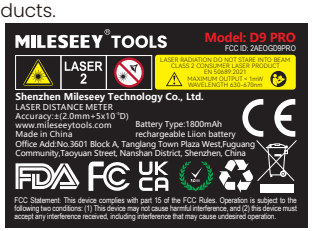
2. The device conforms to the most stringent requirements of the relevant standards and regulations. However, the possibility of causing interference in other devices cannot be totally excluded.

Laser Class 2 products:

Using optical aids such as binoculars or telescopes to look directly into the laser beam can pose a risk to your eyes. Avoid staring into the laser beam or directing it towards others, as it may harm your eyes.

Laser classification:

The device produces visible laser beams, which are emitted from the instrument: It is a Class 2 laser product in accordance with: • IEC60825-1 : 2014 radiation safety of laser products.



CAUTION

Never attempt to repair the product yourself. In case of damage, contact a local dealer or the manufacturer, or you may lose the right of guaranteed product warranty.

Do not throw flat batteries in your household waste. Please be environmentally responsible and take them to designated collection points in compliance with your national or local regulations.

Similarly, do not discard the product with household waste. Dispose of the product properly, following the current national regulations in your country. Always adhere to the specific regulations in your region.

Magnets may temporarily affect thenormal operation of implanted electronic medical devices, such as pacemakers and implantable defibrillators. Magnets that are a part of this product can damage magnetic media such as floppy disks, hard drives, credit cards, cassette tapes, video tapes or other such devices. They can also damage televisions, computers, cell phones, VCR, computer monitors and other CRT displays.

Prohibited Use

- Operating the product without following instructions.
- Using it beyond the specified limits.
- Disabling safety systems and removing warning labels.
- Attempting to open the equipment using tools. (such as screwdrivers)
- Making alterations or modifications to the product.
- Using accessories from different manufacturers without explicit approval.
- Intentionally causing glare for others, even in low-light conditions.
- Not providing adequate safety measures at the surveying site, such as when measuring on roads or construction sites.
- Engaging in deliberate or irresponsible behavior while on scaffolding, using ladders, or working near operating machinery or unprotected machine parts.
- Pointing the device directly at the sun.
- Avoid using the product in the vicinity of gas stations, chemical facilities, areas with potentially explosive atmospheres, or areas undergoing blasting activities.
- Refrain from using the product near medical equipment.
- Do not operate the product on airplanes.
- Avoid prolonged use of the product near your body.

Battery Charging

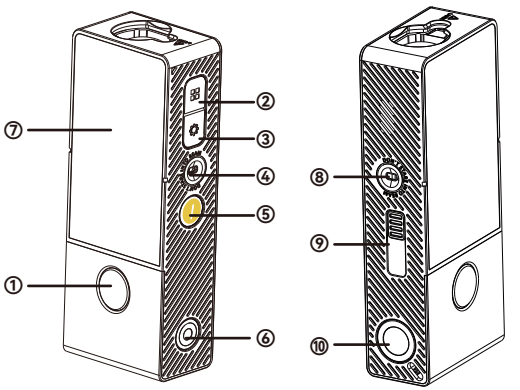
Always supervise children when they are using, cleaning, or performing maintenance on the product. This ensures that children do not play with the charger.

Prior to each use, carefully inspect the battery charger, cable, and plug for any signs of damage. If any damage is detected, refrain from using the battery charger. Damaged battery chargers, cables, and plugs greatly elevate the risk of an electric shock.

Overview

The Mileseey D9 PRO laser distance measure is an impressive measuring device with a range of up to 330ft. Its smooth and uniform appearance showcases a sleek design. Featuring a one-button design, it allows for easy and efficient measurements. With horizontal laser levels on both sides, the D9 PRO enables easy alignment and precise measurement. It also supports LED lighting, wireless link data transmission to paired APP for optimal measuring convenience, and features a magnetic bite that allows the device to securely attach to metal surfaces.

Exterior features



1. Measuring/Power button

Short press to measure

Long press to power on the device

(In the setup states, a short press switches the substates)

2. Measuring functions/Select to left/up

3. Setting/Select to right/down

4. Right laser level

5. Return

6. LED light switch

7. Touch screen

8. Left laser level

9. Type-C charging port

10. LED light

Note: The unique 90LM LED flashlight of the laser measure provides a strong and focused illumination, enhancing visibility in low-light conditions, aiding in accurate measuring by illuminating the target area, and reducing errors.

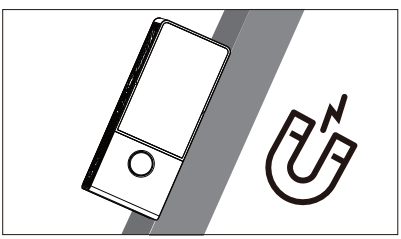
Touch Screen

1. Upon startup, slide the screen from left to right to enter measuring functions. Slide from right to left to return. Slide up and down to navigate to the desired function. Tap the function icon to enter the desired measuring mode. Once in the measuring mode, slide from left to right to return to upper level menu, and slide from right to left to enter the measuring mode again.

2. Upon startup, slide from up to down to enter the setting menu, and slide from down to up to return. Tap the setting icon to switch between different setting's sub-states or enter a setting.

Magnetic Bite

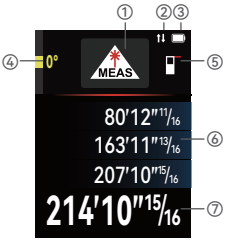
The magnetic bite allows the device to securely attach to metal surfaces, such beams or pipes, without the need for additional support or holding, keeping it within reach and readily available whenever needed.



Calibration of Point-to-Point(P2P) measurement

Before using the P2P (Point to Point) function, slide the touchscreen to enter the P2P measurement feature interface. Place the device horizontally on a level surface, then lightly tap the P2P measurement icon. The P2P measurement will automatically calibrate using algorithms. The interface will display a message indicating that calibration is in progress, and the entire calibration process will last for 6 seconds.

Display Elements



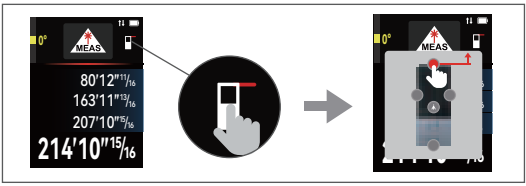
1. Measuring mode
2. Wireless link connected
3. Battery indicator
4. Display gravity tilt angle
5. Measurement reference
6. Measured-value lines
7. Result line

References

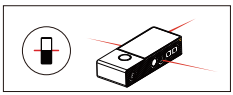
There are in total for references for the device:

- Distance is measured from the rear of the device (standard setting).
- Distance is measured from the aligning laser.
- Distance is measured from the front of the device.
- Distance is measured from the tripod thread.

To select the target reference point, tap the reference icon on the display to access the reference setting interface. Next, tap the representation of the device's target position on the screen to switch to your preferred reference point. To exit the reference setting, tap the reference icon again. Alternatively, you can slide down to up the screen to exit the reference setting.



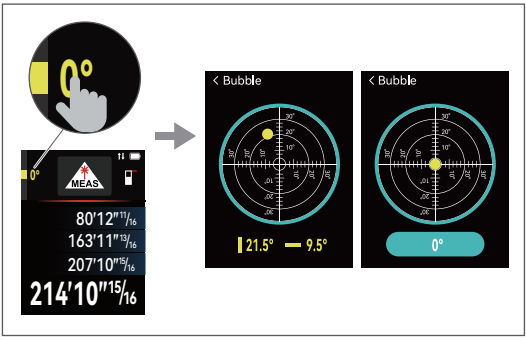
Note: The dual aligning lasers will subsequently turn on when the reference is switched to laser level reference.



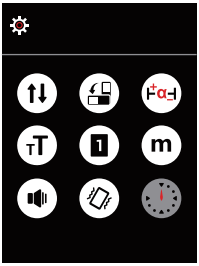
Digital Level Display

The digital level display is used to measure the flatness of a horizontal surface, or measure the angle of a particular tilted surface. When you access the flatness detection by entering the flatness detection interface, a light blue bar will appear, showing a 0-degree reading if a level horizontal surface is detected.

Tap the digital level icon on the screen on the left side of the screen; it'll directly enter the 360° digital level display.

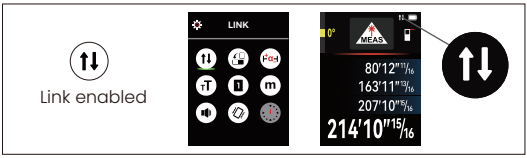


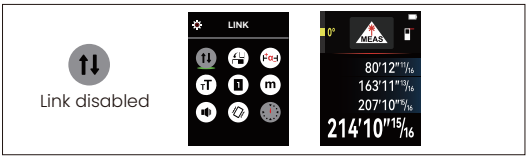
Product Settings



Wireless link	Unit
Auto Rotation	Beeper
Offset setting	Vibration
Large Font	Timer
White/Black screen background	

1. Wireless link connection (referred to as 'link' hereafter)



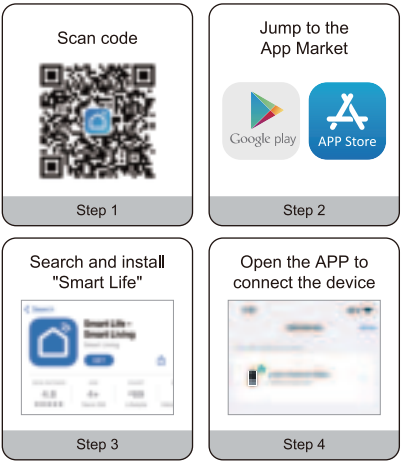


The measuring device:

After turning on the device, enter the settings; switch to link settings (⇅). The flashing icon (⇅) means that the link is not connected, and the fixed display means that the link connection is successful.

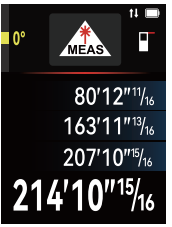
The mobile device:

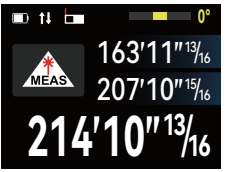
Turn on the link of the mobile phone; Click the link connection in the APP. After the connection is successful, the link icon turns blue, and the link icon on the measuring device no longer flashes. At this time, the user can perform functions such as data transmission and data labeling through the APP. The link function needs to be used in conjunction with the mobile phone APP, and the user needs to download the "Smart Life" APP in advance.



2. Auto Rotation

Choose to enable or disable the automatic auto rotation which offers both portrait display and landscape display.

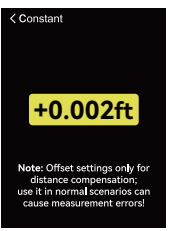


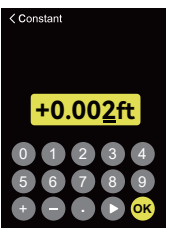


3. Offset setting

The offset setting is an important feature in a laser measure that allows users to compensate for systematic errors caused by environmental or other factors, ensuring more accurate measurement results.

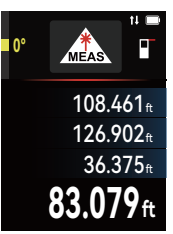
To access the off set setting, short press the "Set" button and enter the system setting menu interface. Use the plus and minus buttons to navigate to the "Offset Setting " option. Then, press “measure” button to enter the setting interface and set the value accordingly. Use “function” button to move the digit position, and use the “set” button to set the value. The final measurement result will display the actual distance by adding or subtracting the set offset value.

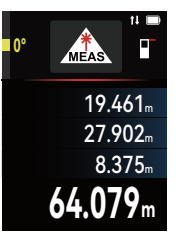




4. Unit

Switch between 6 different units: **m, cm, mm, ft, in, ′″**

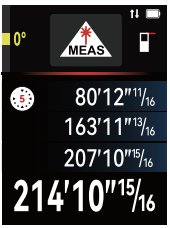




5. Timer

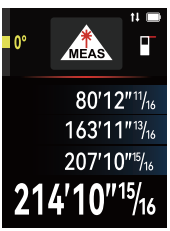
Short-press the "Set" button to access the system setting menu interface. Use the plus and minus buttons to navigate to the timer option. Short-press "measure"button to enter the timer mode. After a countdown of 5 seconds, the measurement result will be displayed. You can opt for a 3-second or 5-second delay, or turn the feature off entirely.

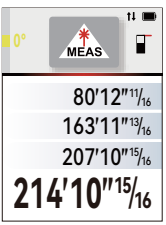
After a countdown of selected time, the measurement result will be displayed. Please note that the timer feature can be applied to all the measuring modes.



6. White/Black screen background

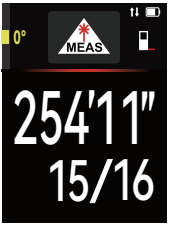
Short press the "Set" button to access the system setting menu interface. Use the plus and minus buttons to navigate to the black and white screen switch option. Short-press the "measure" button to make a selection. Once selected, press the "return" button briefly to exit the settings. (Please note that White/black screen background feature can be applied to all the measuring modes.)

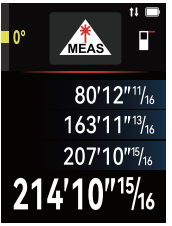




7. Large Font mode

The Large Font mode offers more intuitive data reading. Short-press the "Set" button to access the system setting menu interface. Use the plus and minus buttons to navigate to the Large Font mode option. Short-press the "measure" button to select either enable or disable. A white icon indicates that it is enabled, while a black icon indicates that it is disabled. Once selected, short press the "return" button to exit the settings.





8. Beeper

Short press the "Set" button to access the system menu interface. Use the plus and minus buttons to navigate to the beeper option. Short Press the "measure" button to toggle between on, off . Once selected, press the "return" button briefly to exit the settings.

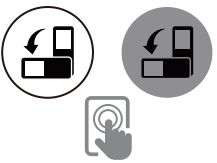
9. Vibration

Short press the "Set" button to access the system menu interface. Use the plus and minus buttons to navigate to the Vibration. Short Press the "measure" button to select either enable or disable the function. A white icon indicates that it is enabled, while a black icon indicates that it is disabled. Once selected, press the "return" button briefly to exit the settings.
A vibration will be emitted once a distance value is acquired.

Vibration on Vibration off

Note: All the setting menu and sub-setting menu can be alternatively accessed by sliding the screen and tapping the target icon of the setting options. Settings of enabling, disabling and switching to a particular state can also be achieved alternatively by tapping the icon.

Auto rotation achieved by tapping the screen.



Memory & Add/Subtract

Access the memory and the add/subtract functions by sliding from right to left on the screen. To activate these functions, simply tap their corresponding icons on the display.

Memory

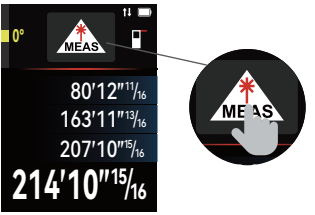
To access and review your memory data, tap the "Memory" icon to open the memory record interface. You can then navigate through the records by swiping or using the quick-access buttons located on the right side of the device. If you need to delete any data, simply perform a long press on the screen. This action will prompt a message to appear, providing options to delete the current data or all stored data.

Add/Subtract

Initiate the measurement process by engaging the measurement functions. Press the function icon or the physical measure button to capture the initial result. Then, hit the "Add/Subtract" icon(/). Then take the next measurement, and the device will automatically perform the chosen operation—adding or subtracting the next measurement from the previous ones. The display will then show the definitive total if adding, or the remainder if subtracting, as the final result.

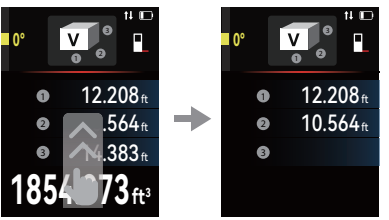
Measuring Functions

Note: The measurement can be triggered either by depressing the physical measurement button or alternatively tapping the function icons on the screen.



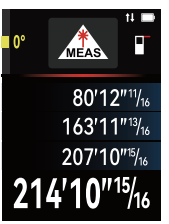
Result correction:

If you are unsatisifed with a length measurement, you can slide upwards from screen bottom to clear the latest data in display. After clearing the target data, you can proceed to remeasure the distance.



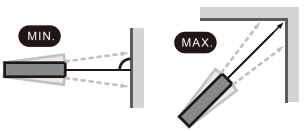
Length measurement

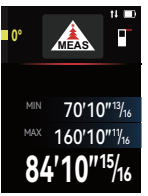
Select the length measurement MEAS .
To switch on the laser beam, briefly press the measuring button . To take a measurement, briefly press the measuring button . The result will appear at the bottom of the display. For each additional measurement, simply follow the same steps mentioned above. The most recent measurement will be displayed at the bottom, the one before it above that, and so forth.



Continuous measurement

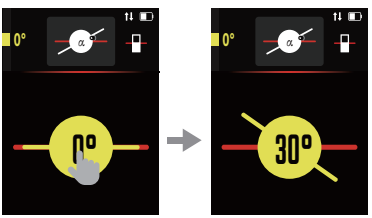
To conduct continuous measurements, you can move the measuring tool in relation to the target. This will result in the measuring value being updated approximately every 0.5 seconds. This allows you to, for instance, move a specific distance away from a wall while always having the current distance readily available for reading.
Select the continuous measurement MEAS .
To switch on the laser beam, briefly press the measuring button ● .
Then, move the measuring tool until you see the desired distance value displayed at the bottom of the screen. If you briefly press the measuring button ● again during the process, it will pause the continuous measurement, displaying the current measurement at the bottom, with the maximum and minimum values above it. To resume continuous measurement, press the measuring button ● once more.





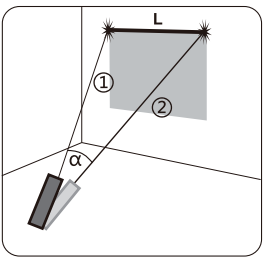
Live angle display

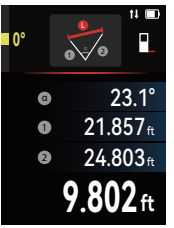
The live angle display allows you to acquire a desired angle or measure an existing angle on any surface and gives you real time confirmation of the angle in your angle measurement.
To use this function, first tap the live angle display icon to access its interface(the mode will initiate a calibration process of 6s). Then use the aligning laser line as your starting point and move the device away from that initial line, the D9 Pro will accurately display the real-time live angle formed between the current aligning laser line and the original one on any surface. To adjust the angle value to zero at any aligning laser line, just tap the icon to zero the value.



Point-to-point measurement

Select the point-to-point(P2P) measurement .
In P2P mode, ensure that the device remains stationary as it initiates a brief calibration process. After the calibration notice disappears, proceed to follow the red line prompt, and press the "measure" button to determine the distances along both line "1" and line "2". Subsequently, the device will perform calculations and present the measured distance L between these two points.
Using the Trimotion360TM adaptor. The Trimotion360TM adaptor allows for stable targeting without unintentionally tilting the device.





Tips for optimal accuracy with Mileseey P2P measurements:

When measuring, ensure the correct reference is selected. For P2P measurements, it is recommended to use the tripod center reference and mount the device on the tripod.

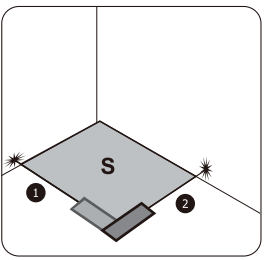
During the measurement, ensure that the 1/4 inch tripod thread of the device rotates around a fixed point (i.e., the tripod reference point should remain stationary) when rotating it up, down, left, or right.

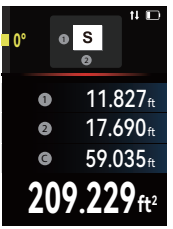
To minimize device shaking caused by pressing buttons or touching the screen during measurement, it is best to use the device in combination with a tripod and the time-delayed measurement function.

Before entering P2P measurement, make sure to first place the device horizontally on a flat surface and keep it still, then navigate to and activate the P2P function for automatic calibration.

Area measurement

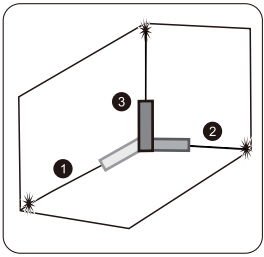
Select the area measurement S .
Next, proceed to measure the width 1 and length 2 consecutively, just as you would do with a single length measurement. The laser beam will stay active during both measurements. The distance to be measured for calculating the area will flash in the indicator specifically designated for area measurement.
The first measurement value is displayed at the top of the screen. Once the second measurement is done, the device will automatically calculate and display the area. The final result will appear at the bottom of the display, with the individual measured values displayed above it.

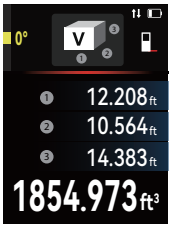




Volume measurement

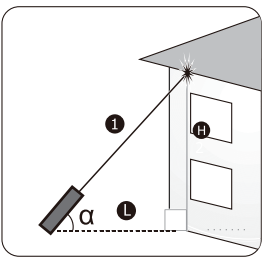
Select the volume measurement V .
Now, proceed to measure the width, length, and depth consecutively, just as you would with a single length measurement. The laser beam will stay active throughout all three measurements. The distance to be measured for volume calculation will flash in the indicator specifically designated for volume measurement.
The first measurement value is displayed at the top of the screen. Once the third measurement is finished, the device will automatically calculate and display the volume. The final result will be shown at the bottom of the display, with the individual measured values displayed above it.

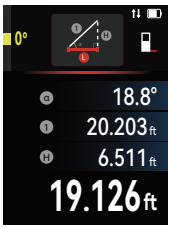




Auto horizontal distance

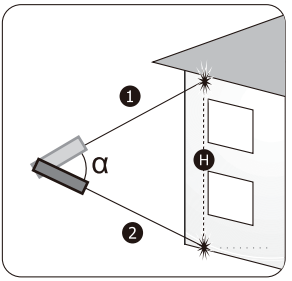
Select Auto horizontal distance measurement .
The distance you want to measure will flash in the indicator. Ensure that the measuring tool is positioned at the same height as the desired measuring point. Then, tilt the measuring tool around the reference plane and measure the length of hypotenuse 1, similar to a standard length measurement. Upon completion of the final measurement, the result for the desired distance L will be shown in the result line. The measured values for distance "1" and angle "α" will be displayed in the measured-value lines.

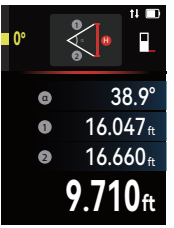




Auto vertical height

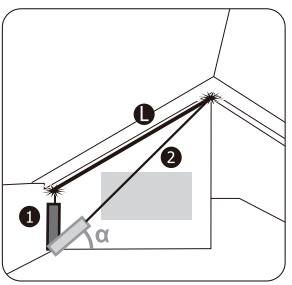
Select auto vertical height measurement .
Measure the distances of hypotenuses "1" and "2" in the same manner as you would for a standard length measurement. Once the measurement process is complete, the result for the desired vertical height will be shown in the result line. The measured values for distances "1" "2", and the angle "a" will be displayed in the measured-value lines.
Please ensure that the reference plane of the measurement (i.e. the rear edge of the measuring tool, remains consistently positioned in the same place throughout each measurement within a measuring sequence).

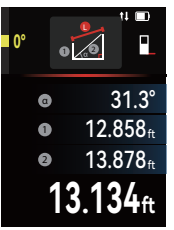




Trapezium measurement

Select the Trapezium measurement .
In Trapezium mode, follow the red line's guidance. First, aim at target point "1" and use the Measure button to measure the length of the right-angled line "1". Then, target point "2" and again use the Measure button to determine the length of the diagonal line "2". Upon completing these measurements, the device will display the angle between the diagonal and the horizontal line, the lengths of both the right-angled line "1" and diagonal line "2", as well as the targeted hypotenuse length L.

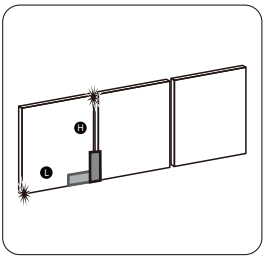


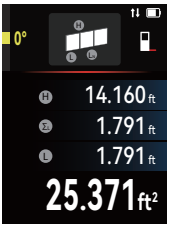


Wall area measurement

Select the wall area measurement .
The wall area measurement is used to determine the sum of several individual surfaces with a common height. Begin by measuring the ceiling height "H" using the same procedure as a standard length measurement. The measured value will appear in the top measured-value line, and the laser will remain active.

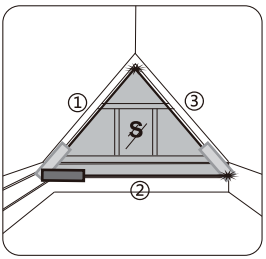
Following that, measure the length "L1" of the first wall. The surface area will be automatically calculated and displayed in the result line. The most recent length measurement value will be shown in the bottom measured-value line, and the laser will continue to be active.

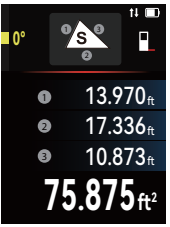




Triangular area

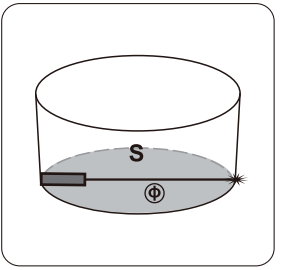
Select the triangular area measurement S.
The distance you want to measure will flash in the indicator. Measure the distances of triangular segment "1", "2" and "3" in the same manner as you would for a standard length measurement.
Upon completion of the final measurement, the result for the desired distance L will be shown in the result line. The individual measured values will be displayed in the measured-value lines. In the triangle area measurement mode, please make sure that the three line segments form a closed triangle and that all three line segments are in the same plane; otherwise, the screen will display error.

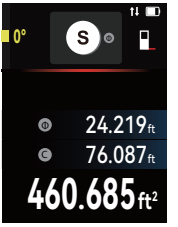




Circular area

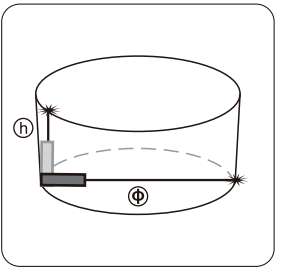
Select the circular area measurement (S).
The distance you want to measure will flash in the indicator. Before measuring the area of a circle, locate the center of the circle. Then, activate the laser and, following the guidance of the flashing line segments, pass the laser beam through the center of the circle. The area of the circle will be automatically calculated and displayed at result line. The diameter and circumference of the circle will be shown in the measured-value lines.

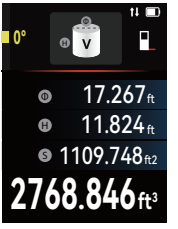




Cylinder volume

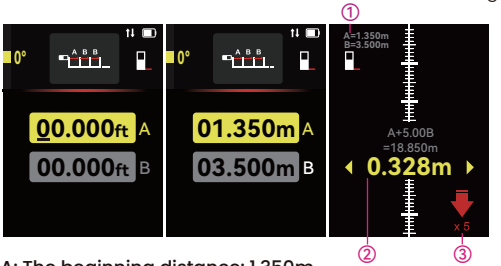
Select the cylinder volume measurement (V).
The distance you want to measure will flash in the indicator. Before measuring the area of a circle, locate the center of the circle.Then, activate the laser and, following the guidance of the flashing line segments, pass the laser beam through the center of the circle. Measure the diameter of the circle, and then, guided by the flashing line segments, measure the height of the cylinder H. The volume of the cylinder will be automatically calculated and displayed at the result line. The diameter, area of the circle and the height of the cylinder will be shown in the measured-value lines.





Stake-out

Select the stake-out function A B B .
Tap the box A of beginning value, set the beginning value by using function button to move the digit position and determining a value with "set" button , and then tap the box B to set the desired stake-out length. Using function button selects the corresponding digit/position and change the value with "set" button .
Begin the stake-out function by pressing the measuring button and slowly move the device away from the staring point.
The measuring tool continuously measures the distance to the starting point. The defined length and the current measured value are thereby displayed. The lower or upper arrow displays the shortest distance to the next or last marking. When approaching to a timed distance to the defined stake-out distance, the device starts buzzing.



1. A: The beginning distance: 1.350m
   B: The defined length: 3.500m
2. The difference(the distance left to the stake out point)
3. Times: N
4. Total length=1.305+N*3.5000

Specification:

Range	0.5~330ft(0.2~100m)
Accuracy	±(2.0mm+5*10^{-5}D)
Single distance	√
Continuous measurement	√
Angle measurement	√, Rotating & Pitching Angle
Point-to-point measurement(P2P)	√
Area	√
Volume	√
Auto horizontal distance	√

Auto vertical height	✓
Trapezium	✓
Wall area	✓
Triangular area	✓
Circular area	✓
Cylinder volume	✓
Stake-out	✓
Wireless link & APP connectivity	✓
Units	m, cm, mm, ft, in,' "
References	Front/rear/tripod center /laser level
Touch screen	2.4" IPS
Auto rotation	✓
Memory	35 groups
Offset setting	✓
Timer	3s, 5s, off
White/black screen background	✓
Large Font mode	✓
Beeper	On/off
Vibration	✓
Digital level	✓
Auto power off	After 180s of inactivity
Auto laser switch off	After 30s of inactivity
Laser class	Class II
Laser type	630-670nm，<1mw
Aligning laser	✓, 630-670nm，<1mw
Operating temperature	0℃～40℃
Battery type	1800mAH rechargeable Li-ion battery
Battery runtime	8H(without flashlight & aligning lasers on)
Output interface	Type-C
Dimensions	118mm*48.5mm*24.5mm
Net weight	170g

Humidness	0-90%
Altitude	2000m
Pollution degree	Level 2
Waterproof class	IP20
Rating volatage	3.7V
Rating current	400mA
Indoor	

Error Code

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 the user manual and repeat the procedures
208	Excessive current	Please contact your distributor for support and guidance
220	Low Battery	Replace the batteries or charge them if they are rechargeable
255	Received signal too weak or measuring time too long	Use a target plate or place white paper on the surface being measured
256	Received signal too strong	Use a target plate and avoid aiming the device at sources of strong light
261	Out of measuring range	Measuring the distance within measurement range.
500	Hardware error	Try switching the device off and then on again. If the symbol persists after several attempts, please contact your dealer for further assistance.

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Made in China

Mileseey has started researching, developing and manufacturing of high-quality optical products including laser measure, laser level, golf rangefinders, thermal and digital night vision monocular & goggles since 2009.
Having focused on the development, researching, and manufacturing for over 15 years, we strive to provide premium products and best customer services to make people's life easier and smarter.

Warranty

30-Day return and refund guarantee, 12-Month warranty, lifetime technique support by MILESEEY.
Please feel free to reach us with any concerns.
Email: service@mileseey.com
We strive to reply to you within 24hours.

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.

MILESEEY®

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