

MILESEEY[®] TOOLS

S7

Laser Distance Meter

Perfect for engineering
construction measurement

User's Guide

Laser Distance Meter

S7

Quick Start

Product overview

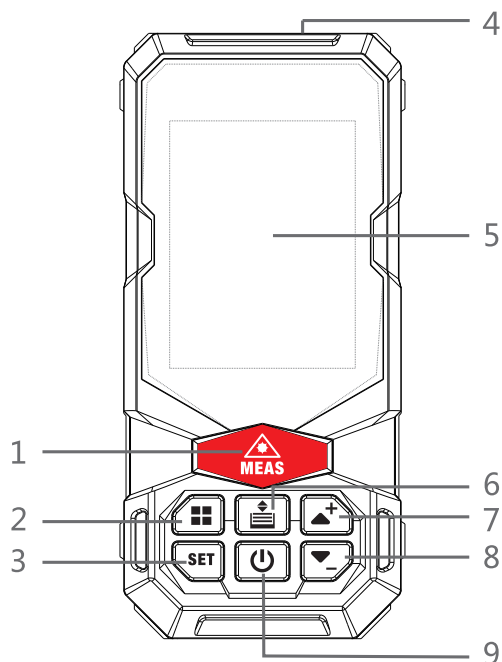
Thank you for using Mileseey handheld laser distance meter. Please read the instruction carefully before operation.

Thanks to the creative skeleton design, robust housing and compact inner structure, S7 series can offer the amazing features of IP65 waterproof and super long battery life. With 2.4" HD colored display, it can also provide better visual experience.

S7 series' built-in inclinometer enables the 3D measurement. The embedded Bluetooth technology can support real-time data transmission. The dual power supply can offer more charging options not limited to rechargeable NI-MH batteries but also AAA alkaline batteries.

S7 series offers comprehensive measuring functions including Area, Wall Area, Volume, Pythagoras, Auto Level, Auto Height. Besides, it also introduces the measurement of Circular area, Cylindrical volume, trapezoid, stake-out and time-delayed measurement, which can satisfy all the needs from different users.

Appearance

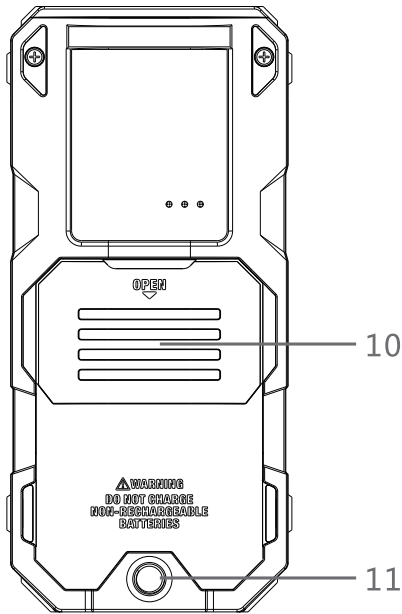


1. Measure Button

Activate the measuring mode; short press to measure; long press to activate continuous measurement.

2. Menu Button

Press to change measuring mode: Distance / Area / Wall Areas / Volume / Pythagorean two points / Pythagorean three points / Auto level / Auto height / Trapezium measurement① / Trapezium measurement② / Triangle Area / Circular Area / Cylindrical Volume / Stake out.



3. SET Button

Press the button to select Bluetooth, Unit change, Reference, 3D digital level, Screen rotation, History, Time-delayed measurement, Sound, Text color, Big text mode and Offset.

4. Laser Emitter label

5. Display Screen

Mode selection display

6. Memory Button

Press to view memory values

7. Add/Previous

8. Subtract/Next

9. Power Button

Long press to switch ON/OFF; short press to return to single measurement

10. Battery Compartment

11. Tripod Mount

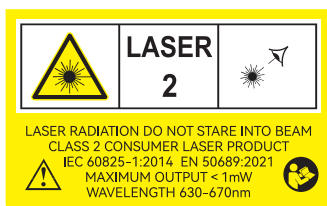
Safety Instruction

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



Warning

- 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.
- 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.

1. Disposal

Everyone is responsible for environmental protection. It's prohibited to dispose of used 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.

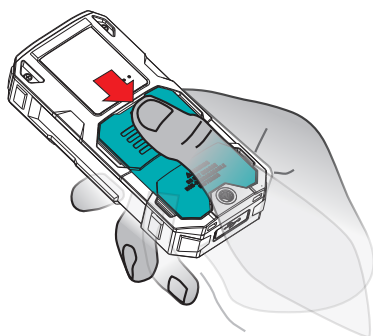
2. Range of Responsibility

MileSeey will not be responsible for the damages caused by improper use below:

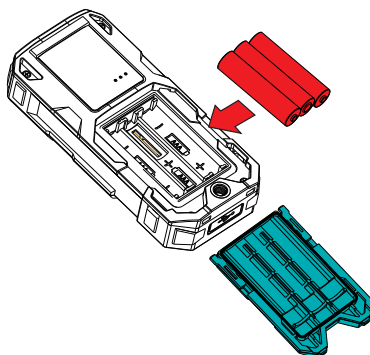
- *Using the product without instruction;
- *Use of accessories from other manufacturers without approval from MileSeey ;
- *Carrying out modification or conversion of the product.

Battery Installation and Instructions

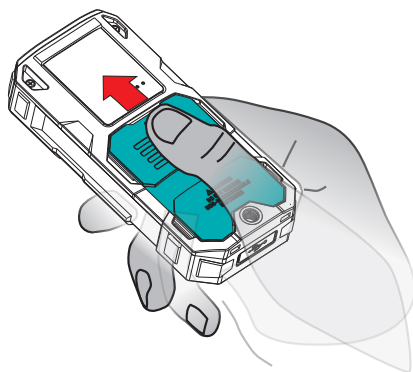
Press and slide the cover toward the rear of the body shell to open the battery door.



Insert 3* AAA rechargeable NI-MH batteries, observing correct polarity.



After the battery is placed, cover and hold the battery door; press and slide to the top. The cover can be sealed.



The product uses rechargeable NI-MH batteries. Please use provided USB cable while charging. The computer can also be used to charge, but this takes more time.



Warning

When using dry batteries, please DO NOT use USB to charge. DO NOT mix rechargeable batteries with dry batteries at the same time to avoid accidents. Any damage caused by improper use of charging dry battery is not covered by the warranty, and MileSeey will not be responsible for it.

While charging, the device may heat up, which is normal, and will not affect the product performance and lifetime.

Please unplug the charger and take off the batteries when not in use.

Specification

Measuring Range ¹	0.65–330ft
Measuring Accuracy ²	$\pm(0.006\text{ft}+5\times 10^{-5}\text{D})$
Single Distance Measurement	√
Continuous Measurement	√
Area Measurement	√
Wall Area	√
Volume Measurement	√
Pythagoras (2-point)	√
Pythagoras (3-point)①	√
Pythagoras (3-point)②	√
Auto Level	√
Auto Height	√
Trapezium Measurement①	√
Trapezium Measurement②	√
Triangle Area Measurement	√
Circular Area Measurement	√
Cylindrical Volume Measurement	√
Stake Out	√
Time-delayed Measurement	√
Constant Settings	√
Bluetooth	√
Add/Subtract	√
Tilt Sensor	√
Digital Level	√
Memory	30 Sets
Measuring Reference	Top/Tripod/Rear

Measuring Units	m, ft, inch 1/16, inch 1/32, 0'00" 1/16, 0'00" 1/32, cm, mm
Auto Power Switch-off	After 180s
Screen Display	2.4" Colored Display
Screen Rotation	√
Laser Class	Class 2
Class Type	630-670nm,<1mW
Battery Type	3*AAA NI-MH rechargeable batteries
Operating Temperature	0°C~+40°C(32°F~~+104°F)
Dimension(mm)	120*56.5*28

1. Measuring Range

The Maximum range shall be different according to different models. The actual range refers to the package.

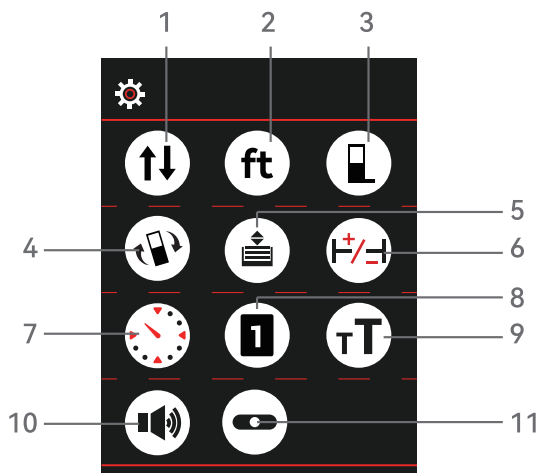
2. Measuring Accuracy

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.

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

Display Settings



1. App Connectivity

To select , press  to activate or de-activate the data transmission by connecting with the APP.

When the icon  turns grey, the connection shuts off.

2. Measuring Unit

Select , and then press  to change the units (m, ft, inch 1/16, inch 1/32, 0'00" 1/16, 0'00" 1/32, cm, mm).

3. Measuring Reference

Select , and then press  to change the reference (Front/Tripod/Rear). Rear is the default reference.

4. Display Rotation

Select , and then press  to confirm. It will automatically switch to landscape display when the device placed horizontally.

5. Memory

Select , and then press  to confirm, and then press   button to view the records. Press  to delete the record selected. Press   button to select delete one or all records; Then press  button to confirm delete or press  button to exit.

6. Constant Settings

Select , and then press  to confirm. Press  to move the cursor among the digits, adding or subtracting the value via   button. The measuring results will automatically add/subtract that constant value.

7. Time-delayed Measurement

Select , and then press  to confirm, the device shall start measuring after 5 seconds.

8. Display Mode

Select , and then press  to select the white words in dark screen mode or black words in light screen mode.
(White words in dark screen mode can only be used during single distance measurement and camera mode.)

9. Big Text Mode

Select , and then press  to enable or disable the big text function.
(The big text mode can only be used during single distance measurement.)

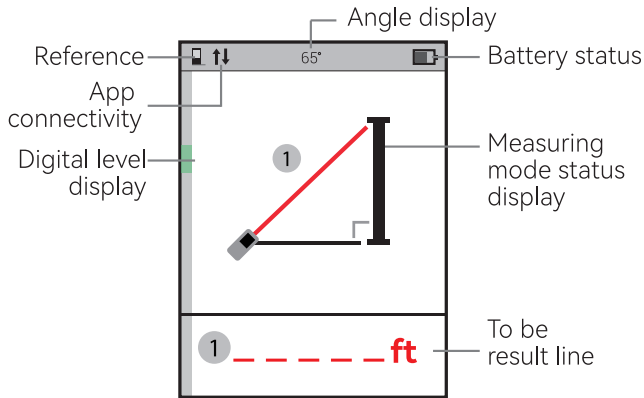
10. Sound

Select , and then press  to turn the sound on  or off .

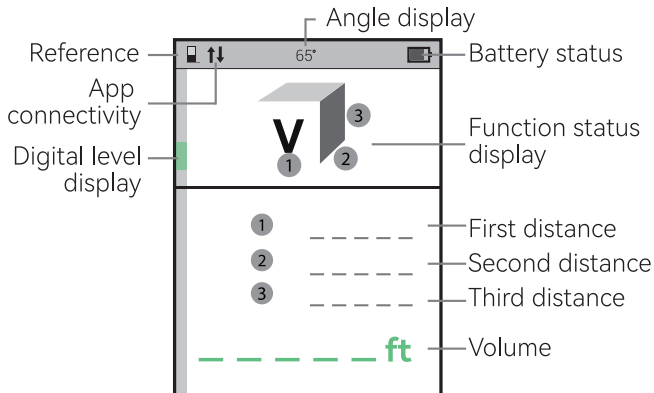
11.3D Level

Select , and then press  to enter 3D level function.

A Measuring interface :

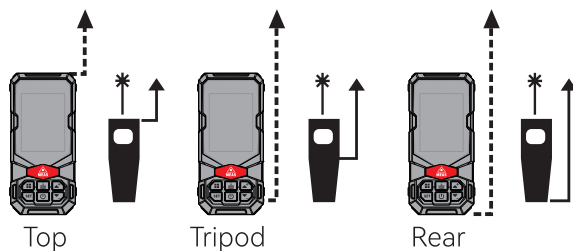


B Result interface:



Operation Instructions

The Single Distance Measurement is the default measuring mode when it is switched ON. Press  to change the measuring mode. The red line indicates the current measuring line, and distance data are displayed in Red.



The measuring data should be different due to different reference settings.

Single Distance Measurement

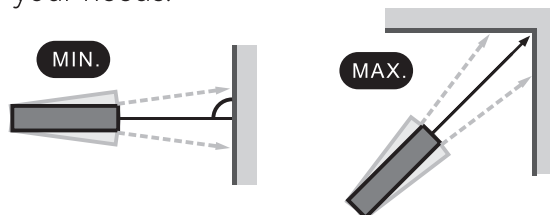
The device will come to Single Distance Measurement  when it is switched ON. Press  after aiming at target to get result in the result line.

Continuous Measurement

The Continuous Measurement allows the user to measure the Maximum or Minimum distance from a fixed measuring point. Long press and scan slowly the laser back and forth and up and down over the desired target point.

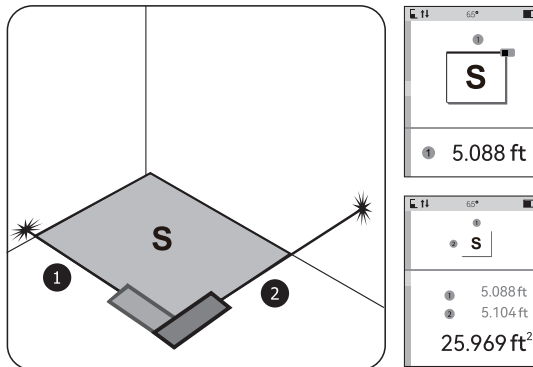
The current measured value will be shown at the bottom of the display in green color. The maximum and minimum measured value appear above it. Short press the measure button once more to stop the continuous measurement.

You can choose Max or Min value according to your needs.



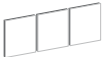
Area Measurement

Press  to select Area Measurement via **S**. According to the reminding of the red line, press  to get the distance for 1st line (e.g. Length); press  according to the reminding line again to get the distance of 2nd line (e.g. Width). The Area is calculated and displayed in the result line.



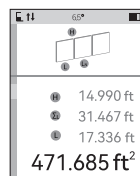
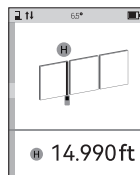
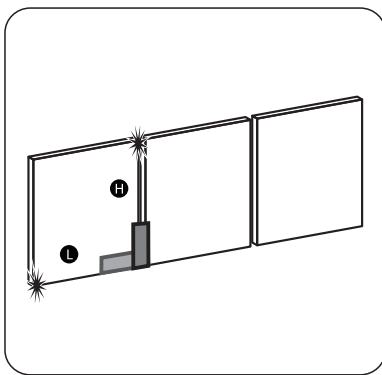
Wall Area

To determine the combined surface area of multiple walls with the same height, we utilize the wall area measurement function.

Press the measurement function button  and switch to the wall area mode . Measure the height of the ceiling by pressing  denoted as H. The measured value will be displayed on the top measured-value line. The laser remains switched on.

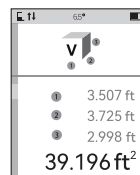
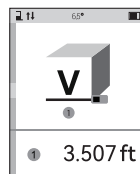
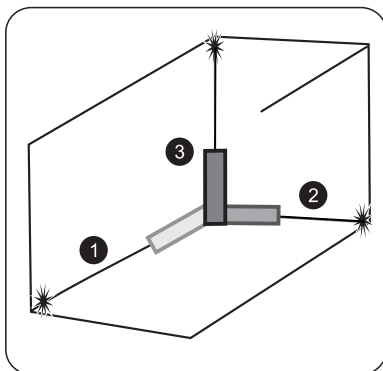
Next, proceed to measure the length by pressing , L1, of the first wall. The surface area will be automatically calculated and presented in the result line. The measured value for the last length

will appear on the bottom measured-value line, and the accumulated length measured value will be displayed on the second measured-value line.



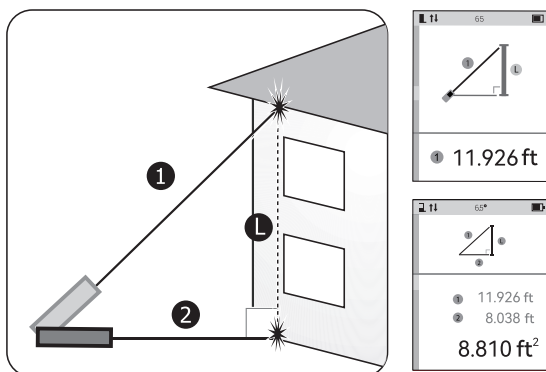
Volume Measurement

Press  to select Volume Measurement via . According to the reminding of the red line, press  to get the distance for 1st line (e.g Length); press  again for 2nd line (e.g Width), and press  third time for 3rd line (e.g Height). The Volume is calculated and displayed in the result line.



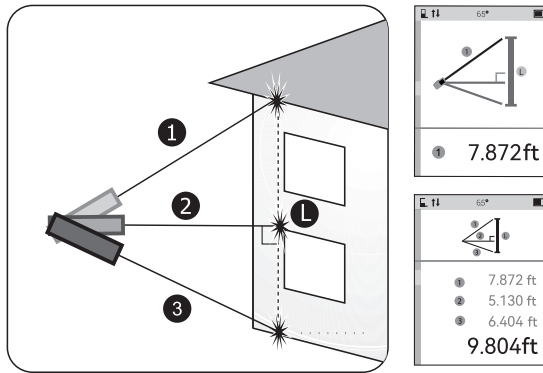
Pythagoras (2-point)

Press  to select Pythagoras via . According to reminding of the red line, press  to get the distance of 1st line, and then switch to the horizontal direction of the object from the fixed measuring point, and press  again to get the distance of 2nd line. The result is displayed in the result line.



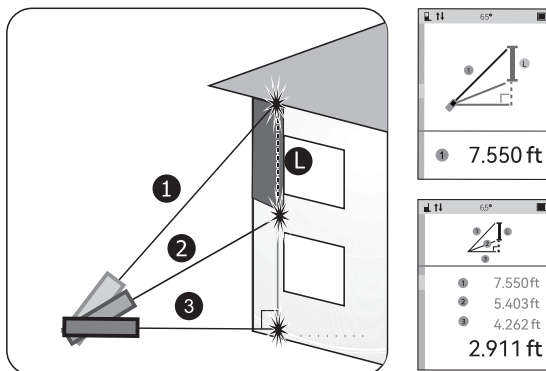
Pythagoras (3-point) ①

Press  to select Pythagoras ① via . According to the reminding of the red line, aim at 1st target point; press  to get the distance of 1st line, and then switch to the horizontal direction of the object from the fixed measuring point; press  again to get the distance of 2nd Line, and then move to the 3rd target point; press  to get the distance of 3rd line. The result is displayed in the result line.



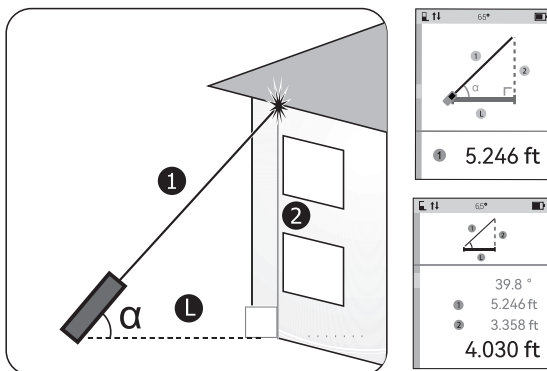
Pythagoras (3-point) ②

Press to select Pythagoras ② via . According to the reminding of the red line, aim at 1st target point; press to get the distance of 1st line, and then switch to the horizontal direction of the object from the fixed measuring point; press again to get the distance of 2nd Line, and then move to the 3rd target point; press to get the distance of 3rd line. The result is displayed in the result line.



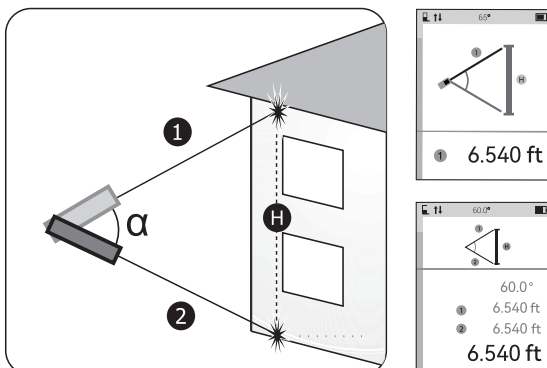
Auto Level Measurement

Press  to select Auto Level Measurement via . According to the reminding of the red line; press  to get the distance of hypotenuse, vertical and horizontal lines. The results are displayed in result line accordingly.



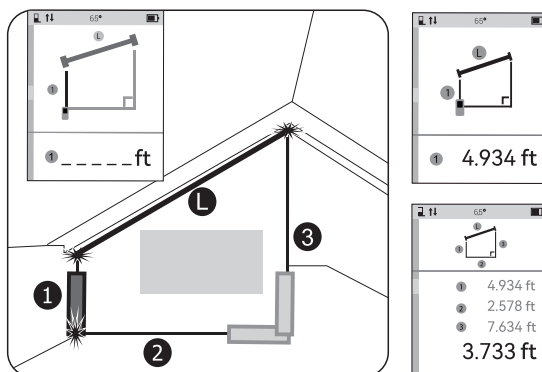
Auto Height Measurement

Press  to select Auto Height Mode . According to the reminding of the red line; press  to get the distance for 1st line; press  again for 2nd line, and then you can get vertical height displayed in the result line.



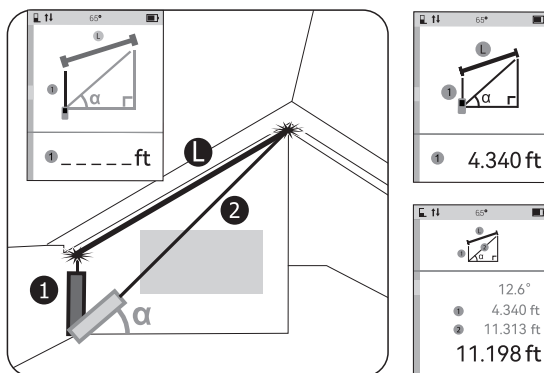
Trapezium Measurement ①

Press  to select Trapezium Measuring mode . According to reminding of the red line, press  to get the distance for 1st line; press  according to the reminding line again to get the distance of 2nd and 3rd line, and meanwhile, the last line shall be displayed in the result line.



Trapezium Measurement ②

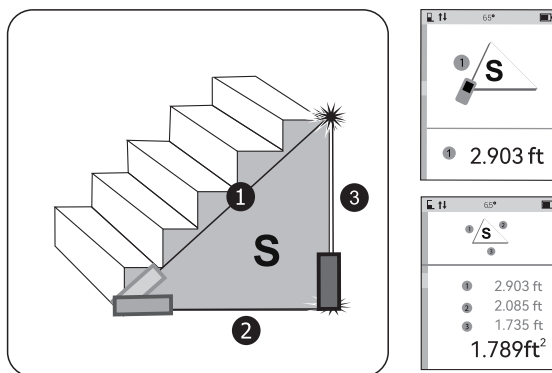
Press  to select Trapezium Measuring mode . According to reminding of the red line, press  to get the distance for 1st line; take the fixed measuring point as center then rotate the meter aiming at next target; press  to get the distance of 2nd line. The angle between the diagonal edge and the horizontal edge, the length of right-angle side, the length of diagonal edge and hypotenuse shall be displayed accordingly on screen.



Triangle Area Measurement

Press  to select Triangle Measuring mode . According to the reminding of the red line, press  to measure the length of the three line of the Triangle ①②③. The result of area shall be displayed on screen.

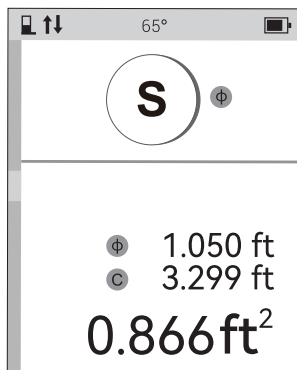
Attention: If the three measured lines can not compose a triangle, then it outputs error.



Circular Area Measurement

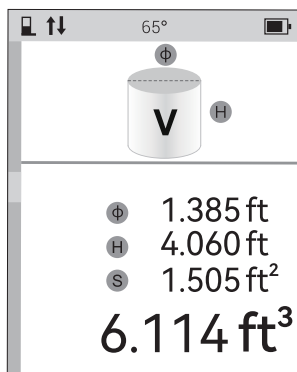
Press  to select Circular Area Measuring mode . According to the reminding of the red

line, press  to get the diameter, and then the area and circumference shall be automatically output on the screen.



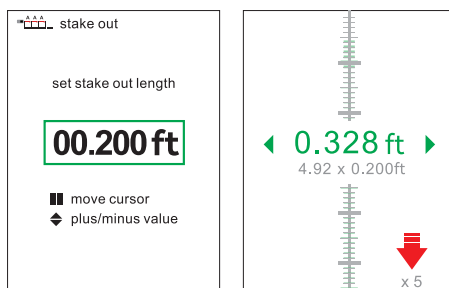
Cylinder Volume

Press  to select Cylinder Volume Measuring mode . According to the reminding of the red line, press  to get the diameter and height of the cylinder; the device will automatically calculate the area and volume, and display the values on screen.



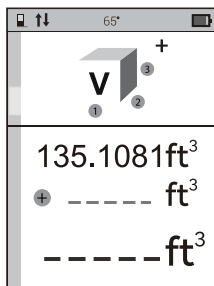
Stake out

Press  to select Stake out  .
 press  to move the cursor and select the corresponding number; press to   add/subtract the value until the desired distance is reached. Press  and start Stake out measurement. The green value would be the distance in real-time. You can move the device forward or backward according to the red arrow; when approaching the target, the instrument starts buzzing.



Add/Subtract

Under the mode of single measurement, Area and Volume measurement, press  or  to make add/subtraction calculations on the basis of previous record. The result is displayed in the result line.



App Download

Device Operation

The ICON flashing means Bluetooth is not connected with APP. If the Bluetooth ICON is keeping still, it means Bluetooth is connected to APP successfully.

On Smartphone APP

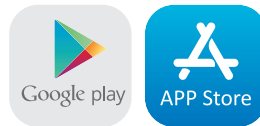
Turn on Bluetooth in smartphone and connect it with device on APP. When the Bluetooth ICON on smartphone turns blue and Bluetooth ICON on device stop flashing, It means it is connected successfully, and then users can measure the distance and transfer data to APP.

Scan code



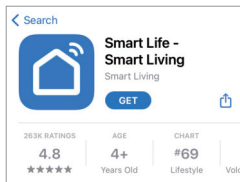
Step 1

Jump to the
App Market



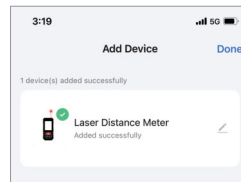
Step 2

Search and install
"Smart Life"



Step 3

Open the APP to
connect the device



Step 4

Erase the Wireless Communication setting of S7

Power on the device by long-pressing the "Power" button plus the "Measuring mode" button simultaneously. Once you hear two consecutive beeps, it signifies the setting has been successfully erased.

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 user manual; repeat the procedures.
208	Excessive current	Please contact your distributor.
220	Low battery	Replace batteries or charge the batteries.
255	Received signal too weak or measuring time too long	Change target surface.
256	Received signal too strong	Change target surface.
261	Out of the range of measurement	Select the measurement distance within the range of measurement.
500	Hardware error	Switch on/off the device several times. If the symbol still appears, please contact your dealer for assistance.

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Store: www.mileseeytools.com

E-mail: service@mileseey.com

Made in China

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.

Mileseey Technology (US) Inc.

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Made in China

Registration No: R-R-MLY-DP20-PRO



FR

Cet appareil
et ses piles
se recyclent

À DÉPOSER
EN MAGASIN



À DÉPOSER
EN DÉCRÈTERIE



OU



FR

Vous êtes responsable de remettre
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