

S50

Green-Beam Laser Distance Meter
User Manual

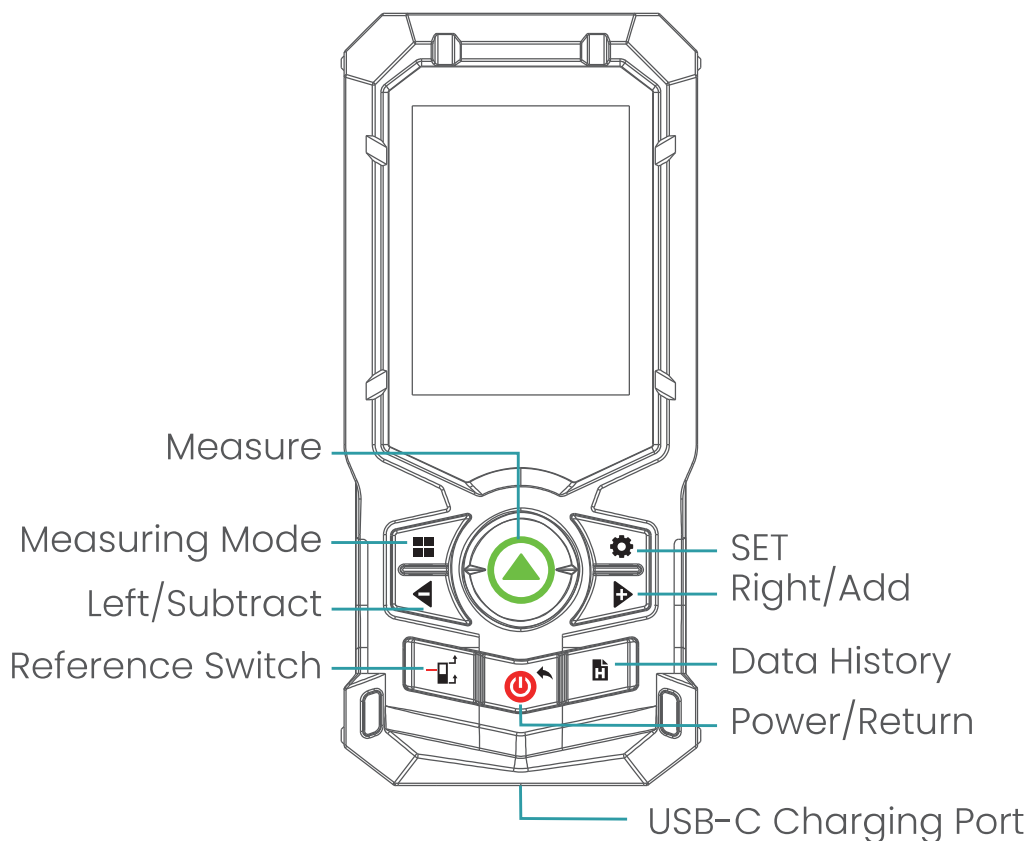
• Product Description

Thank you for purchasing MILESEEY S50 Green-Beam Laser Distance Meter, please read this user manual carefully before use and keep it safe for future references.

S50 is designed with an upgraded green-beam laser for higher visibility and measuring accuracy in complex environments. S50 measures up to 400ft (120m) with accuracy of up to $\pm 1/16$ -inch (± 1.5 mm). Leading Point-to-Point (P2P) tech allows users to measure between any two points from any location for quick distance estimation.

Packed with 18 measuring functions, S50 offers solutions to all your measurement needs. Customizable full color display ensures maximum readability and viewing comfort from all angles. And a paired app allows for easy and seamless data transfer to simplify your workflow and improve your efficiency.

• Overview



• Operation Instructions

Power on/off

Press and hold the Power button () to turn on/off the device.

Short press the button to return to previous page.

*The device will automatically power off after 180s of no operation;
the laser will automatically deactivated after 30s of no operation.

Charging

The product supports USB-C charging to the Ni-MH batteries (1.2V*2) using a 5V/1A power and allows battery replacement as well. Ni-MH rechargeable batteries (1.2V*2) are highly-recommended for replacement, but in emergencies, AA alkaline batteries (1.5V*2) works too.

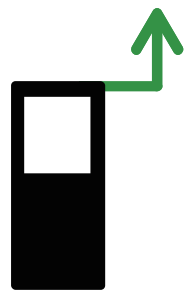


Warning

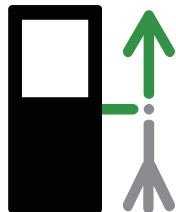
Charging via USB-C is strictly prohibited when using alkaline batteries, as it may cause product damage or personal injury.

Reference Setting

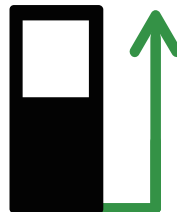
Press the Reference Switch button () to change the reference among front, tripod, back and side laser alignment.



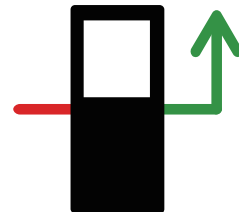
Front



Tripod



Back

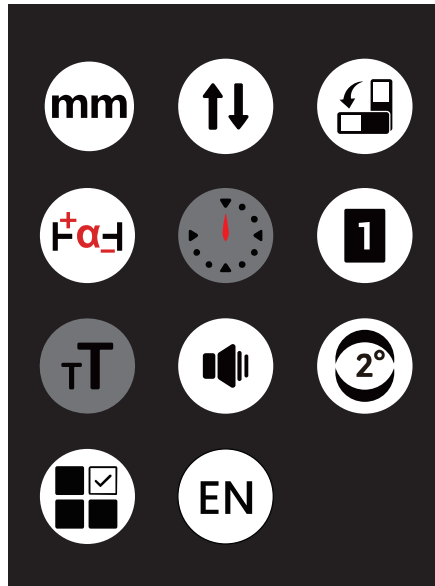


Side Laser

Settings

Press the SET button () to enter the setting menu, use the ( / ) button to select an item, and press the Measure button () to change and confirm the settings of that item.

Press the Return button () to return to previous page.



Settings include:

UNITS	ft inch 1/32 inch 1/16 0'00" 1/32 0'00" 1/16 cm mm m							
LINK	↕				↕			
AUTO ROTATE	↺				↺			
OFFSET SETTING*	FαH							
TIMER	3 5				<			

*In the Offset Setting interface, press the Measuring Mode button () to move the cursor left and right, use the (/) button to adjust the value.

Favorite Functions

Press the Measure button () to enter the menu, use ( / ) button to select a measuring function, and press the Measure button () again to enable/disable displaying it in the measuring mode menu.

Or if you are already in the measuring mode menu page, you can press and hold the Measuring Mode button () for 3s to go to the Favorite Functions setting page directly.

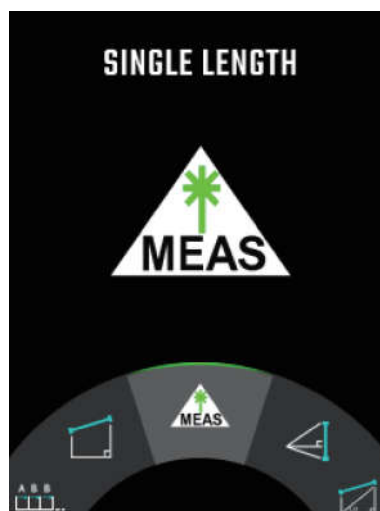
*You must select at least three (3) measuring functions from the list to display in the menu. If less than three (3) are chosen, the device will automatically fill in the selection from the function list (in order) to ensure a minimum of five (5). (The Single Length and Continuous functions are set in stone in the menu, and cannot be removed.)

Measuring Mode

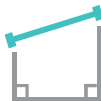
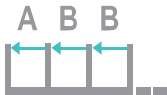
Press the Measuring Mode button () to enter the menu, use the ( / ) button to select a measuring mode, and press the Measure button () to enter the mode.

Follow the instructions on the screen of each mode to take the corresponding measurement, and the device will automatically calculate the measurement result you desire.

Press the SET button () to enter the help page of each mode to see how to take measurement under this mode, press the ( / ) button to go through each step of the instructions. Press the Return button () to return to previous page.



Measuring modes include:

SINGLE LENGTH		CONTINUOUS	
POINT-TO-POINT		WALL AREA	
AREA		VOLUME	
INDIRECT LENGTH		INDIRECT HEIGHT	
2X INDIRECT HEIGHT		PYTHAGORAS (2-POINT)	
PYTHAGORAS (3-POINT) ①		PYTHAGORAS (3-POINT) ②	
TRAPEZIUM		TRAPEZIUM ①	
TRIANGULAR AREA		CIRCULAR AREA	
CYLINDER VOLUME		STAKE-OUT	

Add/Subtract

After taking the first measurement, press the (◀/▶) button to subtract/add, and then take the second measurement, the result will be automatically calculated and displayed.

Point-to-Point Measure

For more accurate results when using the Point-to-Point mode, please strictly follow the instructions below:

1. Set the measuring reference to Tripod and mount the device to a stable tripod.
2. DO NOT move the device or the tripod during the self calibrating process.
3. Make sure the tripod stays absolutely still during measuring.
4. Please wait for 1s after taking the first measurement, and then slowly turn the device to take the second measurement.

View Data History

Press the Data History button () to enter the data history page, use the ( / ) button to select saved data, press the Data History button () again to delete, and press the Measure button () to confirm.

• App Connection

1. Scan the QR code below (or search it in your app store) to download and install the Smart Life app on your phone.
2. Enable "LINK" in the Settings menu of the device.
3. Make sure your phone is connected to the internet and turn on Bluetooth, open the app.
4. Click "+" on the upper right corner and click "Add Device", it will automatically search for the device to connect.



Bluetooth Reset

If it fails to connect to the App, you can press the Power button () and the subtract button () simultaneously to clear the connection history and reset the Bluetooth of the device, the device will show "CLBLE" on the display and automatically shut off, just turn on the device again and re-connect to the App.

• Product Specifications

Model	S50
Measuring Range	0.16ft - 400ft (0.05m - 120m) ^①
Measuring Accuracy	±1/16 in (±1.5mm) ^②
Single Measurement	✓
Continuous Measurement	✓
Point-to-Point (P2P)	✓
Wall Area	✓
Area	✓
Volume	✓
Indirect Length	✓
Indirect Height	✓
2X Indirect Height	✓
Pythagoras (2-point)	✓
Pythagoras (3-point) ①	✓
Pythagoras (3-point) ②	✓
Trapezium	✓
Trapezium ①	✓
Triangular Area	✓
Circular Area	✓

Cylinder Volume	✓
Stake-out	✓
Addition/Subtraction	✓
Reference	Front/Back/Side Laser Alignment/Tripod
Memory	30 sets
Auto Power-off	After 180s of no operation
Display	2.4" IPS color display
Battery Type	2*AA rechargeable NI-MH batteries
Charging Port	USB-C (5V/1A)
Laser Class	Class 2
Laser Type (Green Laser)	500-530nm, <1mW
Laser Type (Side Laser)	630-670nm, <1mW
Operating Temperature	-10°C to 45°C (14° F to 113° F)
Storage Temperature	-20°C to 70°C (-4° F to 158° F)
Permitted Charging Temperature Range	10°C to 35°C (50° F to 95° F)
IP Rating	IP54
Max. Relative Air Humidity	90%
Max. Altitude	2000m
Pollution Degree According to IEC 61010-1	2
Dimensions	131*61*31mm
Weight	About 145g

① Favorable conditions: room temperature, low background illumination, and white and diffuse reflecting target (e.g., white wall). Unfavorable conditions: measuring range will be reduced under high background illumination, targets with low or high reflectivity, or temperatures at the upper or lower end of the specified temperature range.

② 95% confidence level. Favorable conditions: measurement error increases by 0.05 mm/m as distance increases. Unfavorable conditions: measurement accuracy is ± 3.0 mm, and measurement error increases by 0.15 mm/m as distance increases.

*All data are measured and provided by the MILESEEEY Lab, the actual use will be slightly different depending on the specific circumstances.

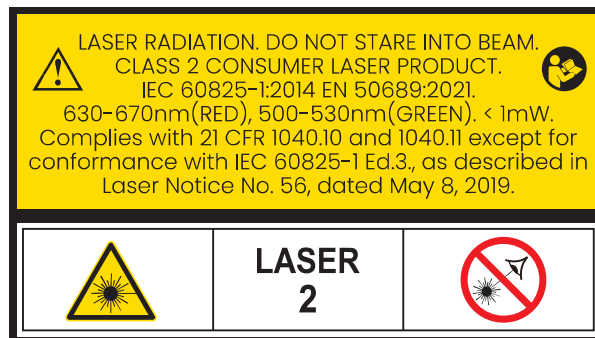
• Safety Instructions

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.



Disposal:

Everyone is responsible for environmental protection.

It's prohibited to dispose 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.

• Copyrights

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