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MiLESEEY S50

MILESEEY S50 Green Laser Distance Meter User Manual

Model: S50

1. Introduction

The MILESEEY S50 is a green laser distance meter designed for precise and efficient measurements in various environments. It features a bright green laser for enhanced visibility, advanced measurement modes, and robust construction for durability.

This manual provides detailed instructions for the safe and effective use of your S50 device. Please read it thoroughly before operation.

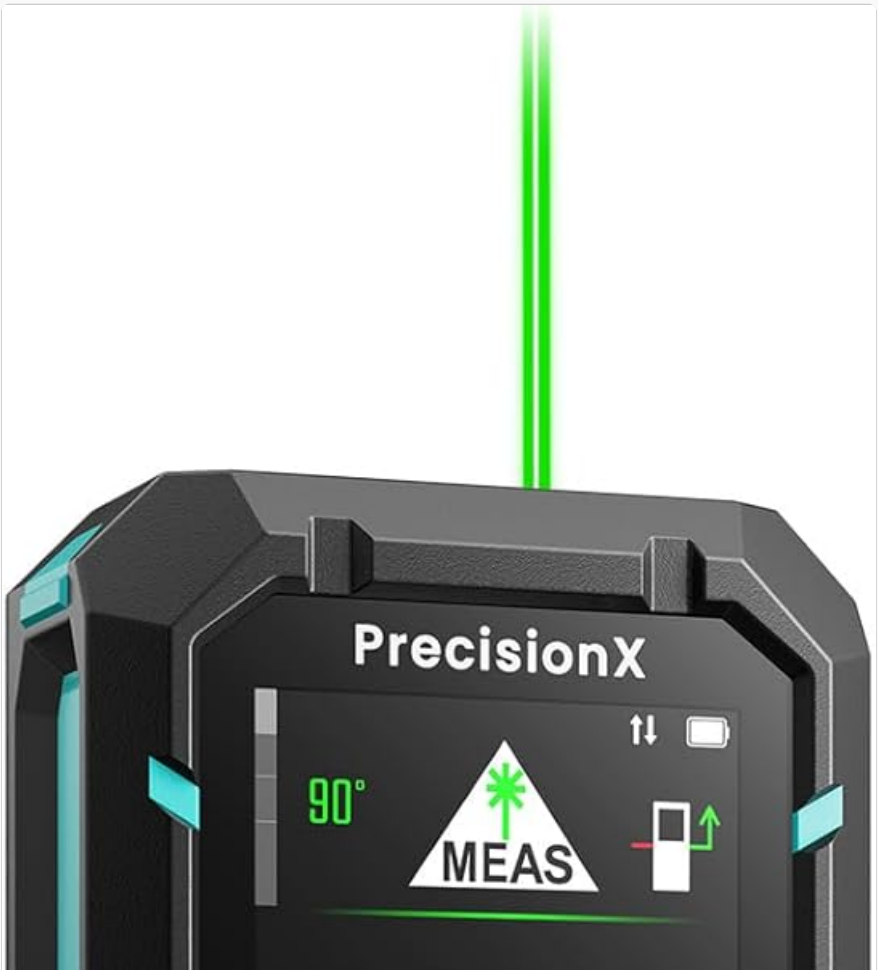




Figure 1: MILESEEY S50 Green Laser Distance Meter

2. What's in the Box

Verify that all items are present in the package:

- S50 Green Laser Measuring Tool x1
- AA Ni-MH rechargeable batteries x2
- Storage Case x1
- Lanyard x1
- USB-C Charging Cable x1
- User Manual x1

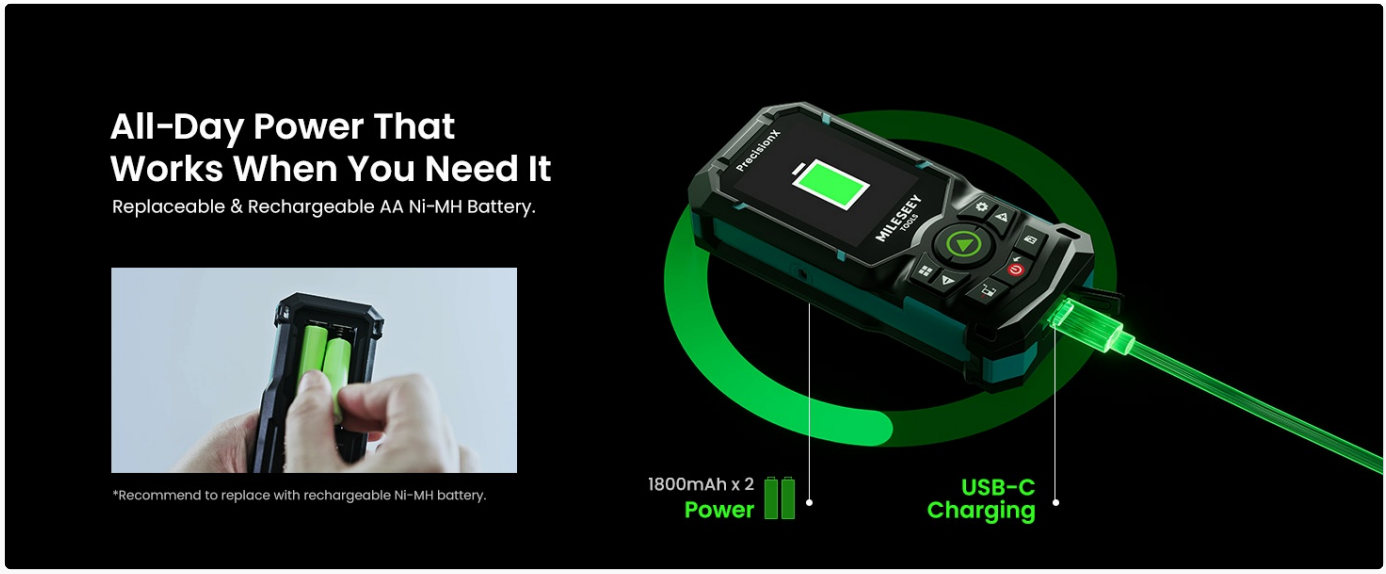


Figure 2: Included items with the MILESEEY S50

3. Setup

3.1 Battery Installation and Charging

The S50 uses two AA Ni-MH 1800mAh rechargeable batteries. To install or replace batteries, open the battery compartment cover on the back of the device. Insert the batteries according to the polarity indicators. Close the cover securely.

To charge the device, connect the provided USB-C cable to the charging port on the S50 and to a compatible USB power source. The battery icon on the display will indicate charging status.

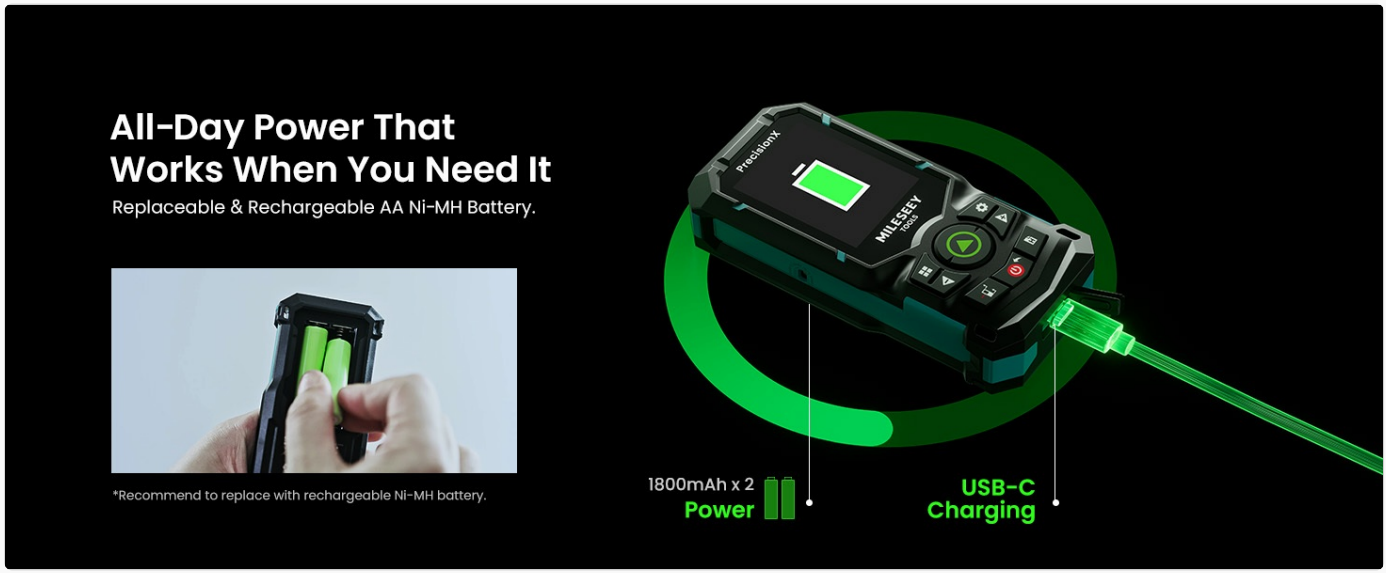


Figure 3: Battery compartment and USB-C charging port

3.2 Power On/Off

- **Power On:** Press the **Power** button (usually marked with a red circle and power symbol) to turn on the device.
- **Power Off:** Press and hold the **Power** button for a few seconds to turn off the device. The device will also automatically power off after a period of inactivity to conserve battery.

4. Operating Instructions

4.1 Basic Measurement

To take a single distance measurement:

1. Ensure the device is powered on.
2. Point the green laser beam at the target surface.
3. Press the **MEAS** button (usually the large green button) once. The measurement will be displayed on the 2.4" IPS backlit screen.

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Video 1: Demonstrates basic distance measurement with the MILESEEY S50. The user points the device and presses the measure button to get a reading.

4.2 Measurement Modes

The S50 offers 18 intelligent measurement modes, including:

- **Single Distance:** Standard point-to-point measurement.
- **Continuous Measurement:** Real-time distance updates as the device moves.
- **Area Measurement:** Calculates the area of a surface.
- **Volume Measurement:** Calculates the volume of a space.
- **Point-to-Point (P2P):** Measures the distance between any two points from a single location.
- **Pythagorean Modes:** For indirect height or distance measurements.

To switch between modes, press the **Mode** button (often represented by a grid or multiple squares icon) and select the desired function from the display.

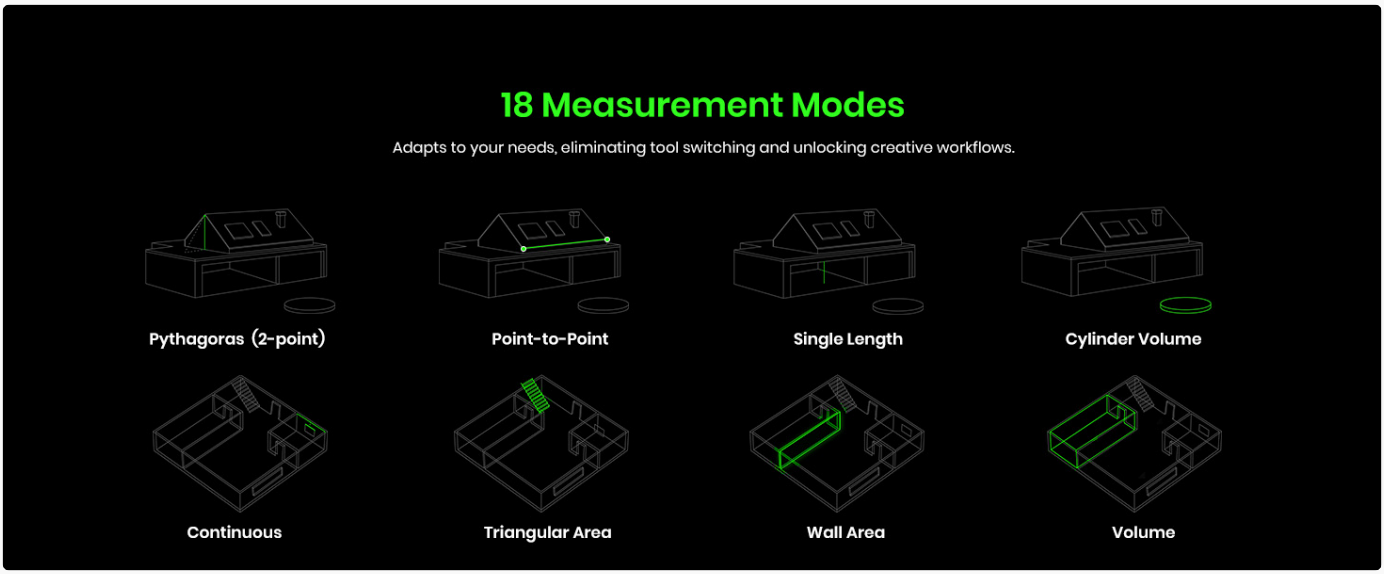


Figure 4: Various measurement modes including area, distance, and volume.

4.3 Measurement References and Units

The S50 allows you to select from 4 measurement references and 8 units:

- **References:** Front, Back, Tripod, Side-Laser. The reference point determines where the measurement starts from on the device.
- **Units:** ft, 0'00" 1/32, 0'00" 1/16, in1/32, in1/16, cm, m.

Use the designated buttons (refer to your device's button layout) to cycle through reference points and measurement units. The current selection will be displayed on the screen.

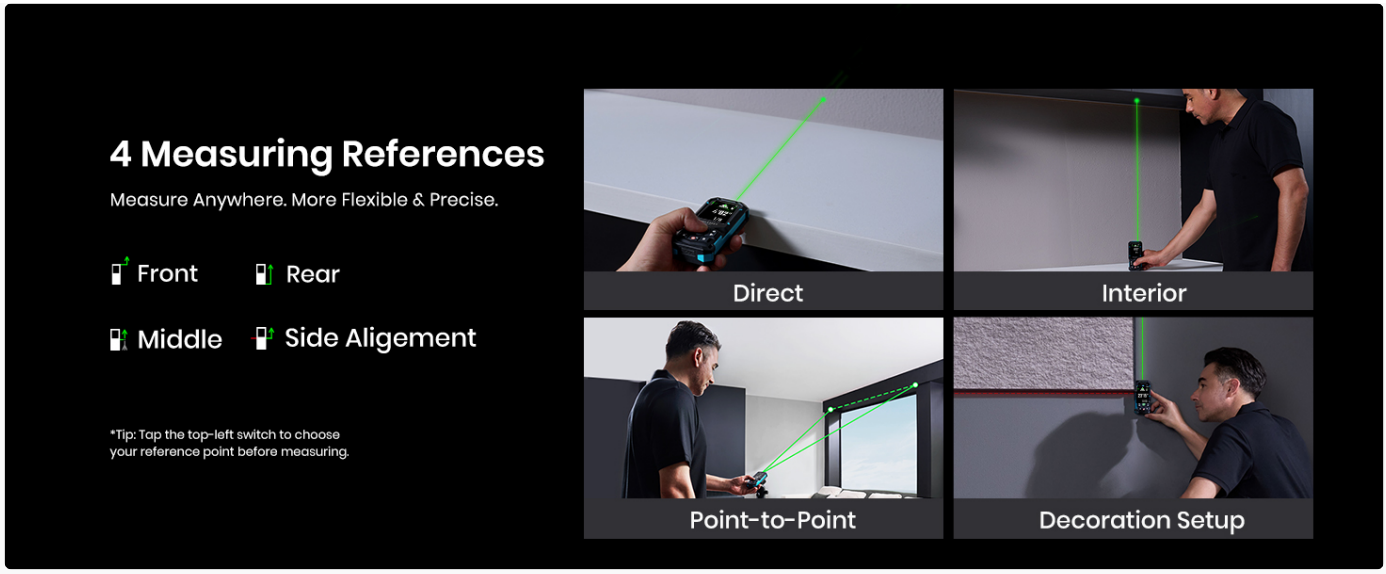


Figure 5: Illustration of the four measurement reference points.

4.4 Side-Laser Alignment

The integrated red side-laser projects a visible marking at 1 meter, assisting with alignment and layout tasks. This feature helps in accurately positioning the device for consistent measurements.

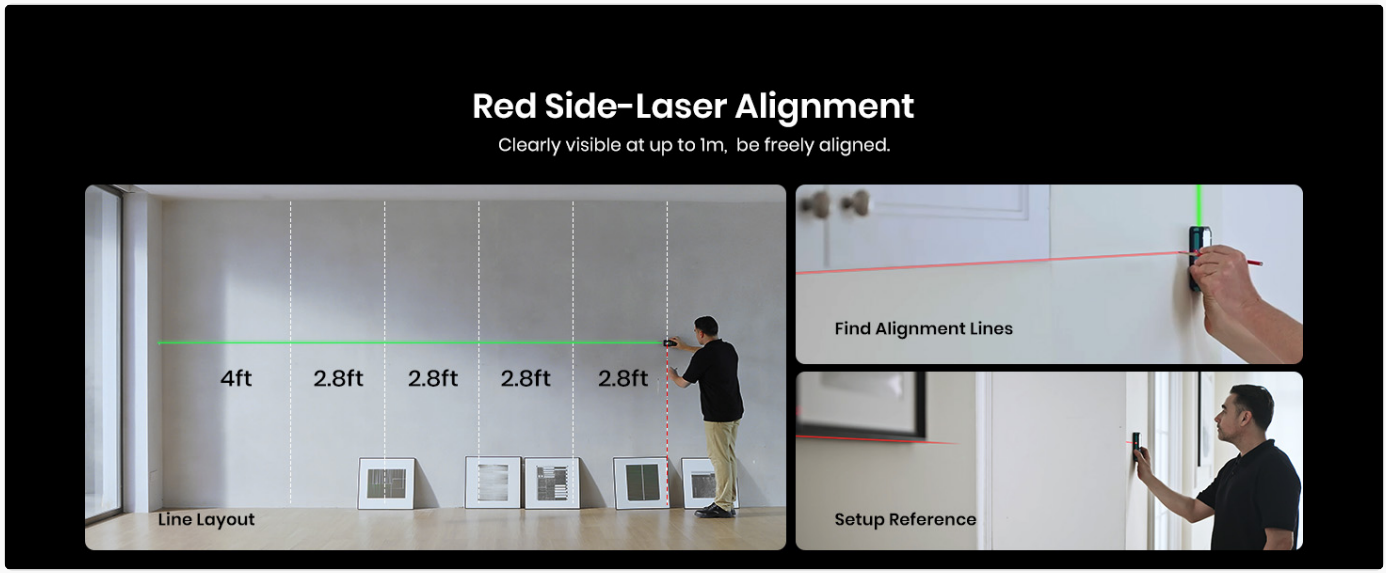


Figure 6: Using the red side-laser for alignment and layout.

4.5 Display Features

The S50 features a 2.4" IPS backlit display with switchable black/white backgrounds and auto-rotate functionality. This ensures clear readability in various lighting conditions, from bright sunlight to low-light environments.



Figure 7: The 2.4" IPS backlit display in different lighting conditions.

4.6 Smart App Connectivity

Enhance your workflow by connecting the S50 to the Smart Life App. The app allows you to visualize measurements on floor plans, export data, create reports, and mark up images. It also provides unlimited cloud backup for your projects.

Download the Smart Life App from your device's app store and follow the in-app instructions to connect your S50.

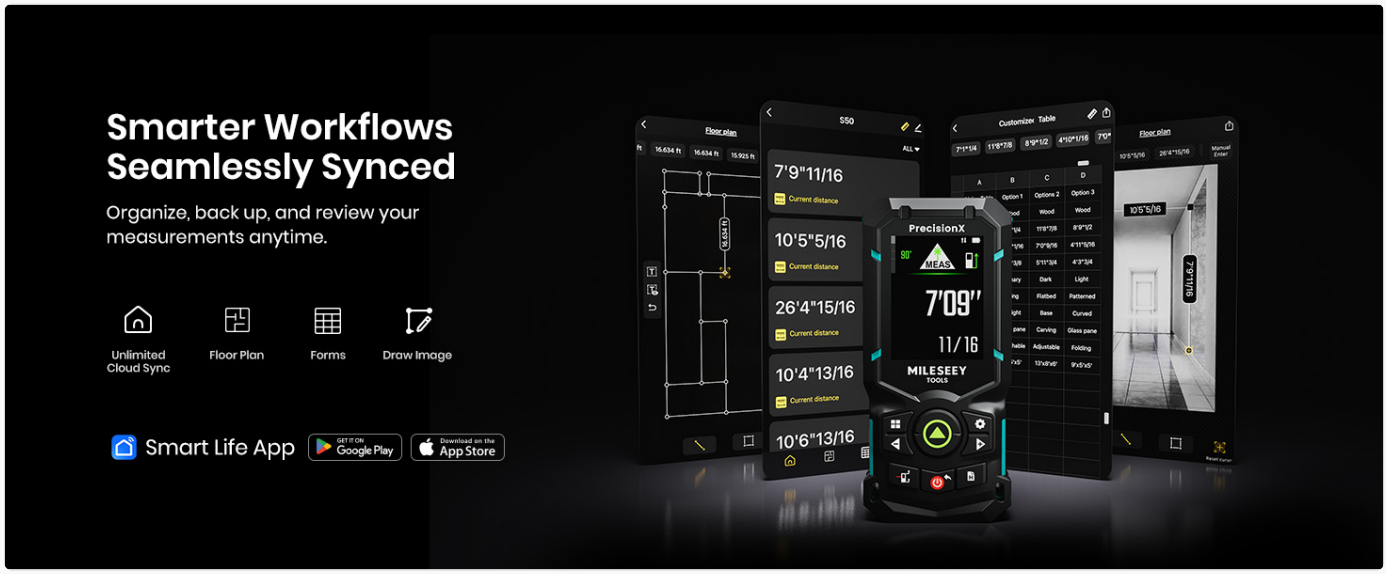


Figure 8: Smart Life App interface showing floor plan functionality.

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Video 2: A how-to guide demonstrating the setting options and app connection process for the MILESEEY S50.

5. Calibration

To ensure optimal accuracy, you can calibrate your S50 device:

1. Enter the Setting Menu on the device.
2. Select "Offset Setting".
3. Adjust the calibration value using the Left/Right buttons.
4. Confirm and save the new calibration value.

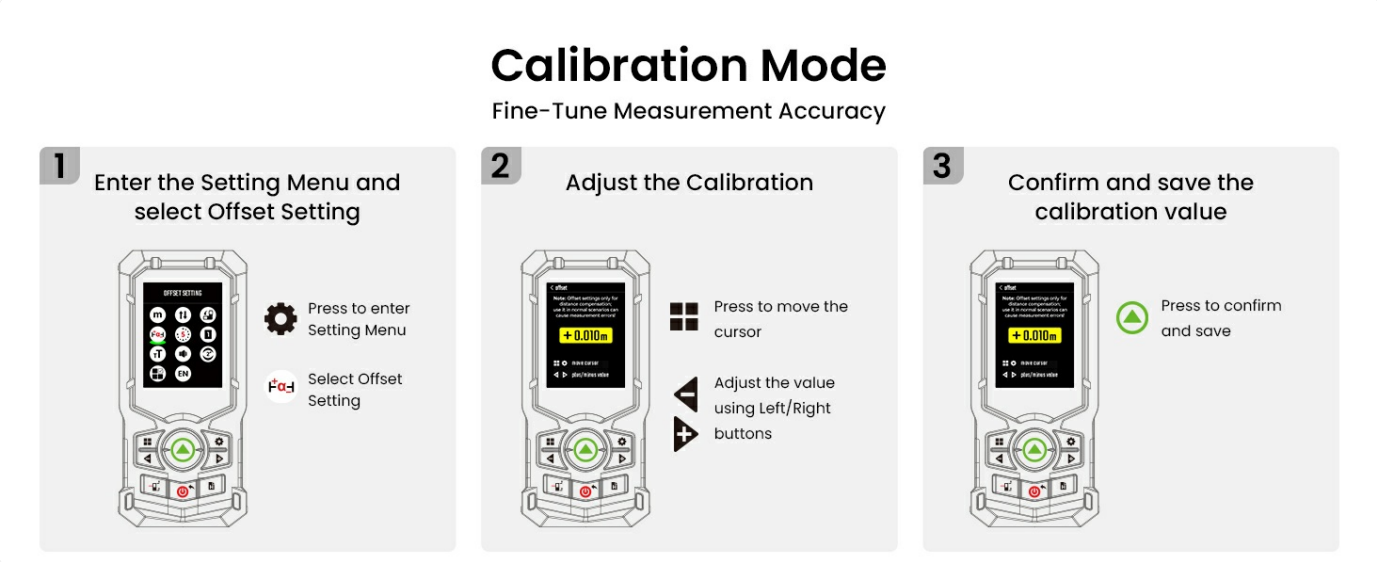


Figure 9: Step-by-step guide for calibrating the MILESEEY S50.

6. Maintenance

To maintain the performance and longevity of your MILESEEY S50:

- **Cleaning:** Wipe the device with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure the laser lens is clean and free of dust.
- **Storage:** Store the device in its protective case in a cool, dry place when not in use. Avoid extreme temperatures and direct sunlight.
- **Durability:** The S50 features an IP54 dust and water resistance rating, making it suitable for demanding environments. However, avoid submerging the device in water or exposing it to heavy rain.

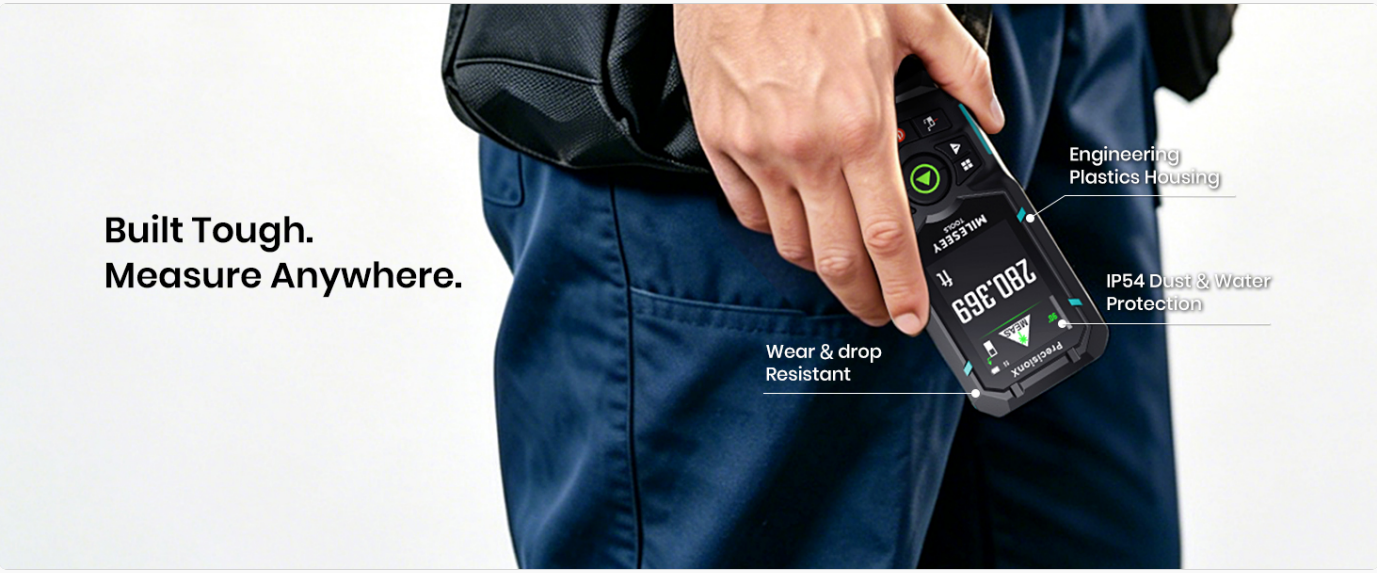


Figure 10: The S50's rugged design and IP54 rating for dust and water resistance.

7. Troubleshooting

If you encounter issues with your MILESEEY S50, consider the following:

- **Device not powering on:** Check battery charge. Ensure batteries are correctly inserted.
- **Inaccurate measurements:** Perform a calibration as described in Section 5. Ensure the laser lens is clean. Verify the correct measurement reference point is selected.

- **Laser not visible:** In very bright conditions, the green laser might be less visible. Ensure the target surface is not highly reflective.
- **App connectivity issues:** Ensure Bluetooth is enabled on your smartphone and the S50. Restart both devices and try reconnecting.

For further assistance, refer to the official MILESEEY support channels.

8. Technical Specifications

Feature	Specification
Brand	MiLESEEY
Model Number	S50
Measuring Range	Up to 400 ft (120 m)
Accuracy	±1/16"
Green Laser Class	CLASS II LASER: 500~530nm, <1 mW
Side Laser (Red) Class	CLASS II LASER: 630~670nm, <1 mW
Display	2.4" IPS Backlit Display
Batteries	2x AA Ni-MH 1800mAh Rechargeable
Charging Port	USB-C
Durability Rating	IP54 Dust and Water Resistance
Item Weight	145 g
Material	Plastic

9. Warranty and Support

The MILESEEY S50 Green Laser Distance Meter comes with a**24-month manufacturer's warranty**, providing peace of mind for your purchase.

For warranty claims, technical support, or any inquiries regarding your device, please contact MILESEEY customer service through their official website or the retailer where the product was purchased.

Additional protection plans may be available for purchase, offering extended coverage beyond the standard manufacturer's warranty.

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