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> SNDWAY SW-1000A Laser Distance Meter User Manual

Sndway FBABA0238

SNDWAY SW-1000A Laser Distance Meter User Manual

Model: FBABA0238

INTRODUCTION

Thank you for purchasing the SNDWAY SW-1000A Laser Distance Meter. This device is a high-precision optical instrument designed for accurate distance, speed, angle, and height measurements. It is suitable for various applications including golf, hunting, construction, and outdoor activities. Please read this manual carefully before using the device to ensure proper operation and to maximize its lifespan.

SAFETY INFORMATION

Please observe the following safety precautions to prevent injury and damage to the device:

- **Laser Safety:** This device uses an invisible laser. Do not look directly into the laser aperture or point the laser at others. Direct exposure to the laser beam may cause eye damage.
- **Battery Safety:** The device contains a built-in Li-ion battery. Do not disassemble, puncture, or expose the battery to extreme temperatures or fire. Use only the provided charging cable.
- **Water Resistance:** The device is IP54 waterproof, meaning it is protected against dust ingress and splashing water. Do not submerge the device in water.
- **Handling:** Handle the device with care. Avoid dropping it or subjecting it to strong impacts.
- **Operating Environment:** Do not operate the device in explosive atmospheres or near flammable materials.
- **Cleaning:** Use a soft, dry cloth to clean the device. Do not use abrasive cleaners or solvents.

PRODUCT OVERVIEW

The SNDWAY SW-1000A is a compact and versatile laser rangefinder. Below are its key components and features:



Figure 1: Front view of the SNDWAY SW-1000A Laser Distance Meter, showing the main body with the SNDWAY logo, model number SW-1000A, and battery specifications (Li-ion Polymer Battery, Rating: 3.7V---750mAh).



Figure 2: Side view of the device highlighting key features: Rechargeable Battery, Naked Eye Observation, High Magnification Lens, and IP54 Protection.



Figure 3: Dimensions of the SNDWAY SW-1000A, showing approximate measurements of 104mm length, 76.5mm width, and 41mm height.



Figure 4: Contents of the product package, including the laser distance meter, a carrying case, a wrist strap, a USB charging cable, and the operation manual.

Components:

- **Objective Lens:** For viewing the target.
- **Eyepiece/Diopter Adjustment:** For focusing the view.
- **Power/Measure Button:** To turn on the device and initiate measurements.
- **Mode Button:** To switch between measurement modes (distance, speed, angle, height).
- **Laser Emitter/Receiver:** The components responsible for sending and receiving laser signals.
- **USB Charging Port:** For recharging the built-in battery.
- **LCD Display:** Internal display showing measurement results and battery status.

SETUP

Charging the Battery:

The SNDWAY SW-1000A comes with a built-in 750mAh Li-ion battery. Before first use, it is recommended to fully charge the device.

1. Locate the USB charging port on the side of the device.
2. Connect the provided USB charging cable to the device's port.
3. Connect the other end of the USB cable to a standard USB power adapter (not included) or a computer's USB port.
4. The battery indicator on the LCD display will show charging status. Once fully charged, the indicator will typically show a full

battery icon.

A full charge provides approximately 30,000 measurements.

Diopter Adjustment:

Adjust the eyepiece by rotating it until the internal LCD display and the target appear clear and in focus.

OPERATING INSTRUCTIONS

Turning On/Off:

- To turn on: Press the **Power/Measure** button briefly. The LCD display will activate.
- To turn off: The device will automatically power off after a period of inactivity to conserve battery.

Changing Measurement Units:

The device supports measurements in Meters (M) and Yards (Y). To switch units, press and hold the **Mode** button for a few seconds until the unit changes on the display.

Measurement Modes:

Press the **Mode** button briefly to cycle through the available measurement modes:

1. Single Distance Measurement:

This is the default mode for measuring the linear distance to a target.

- Aim the crosshairs in the display at your desired target.
- Press the **Power/Measure** button once. The measurement will appear on the LCD display.

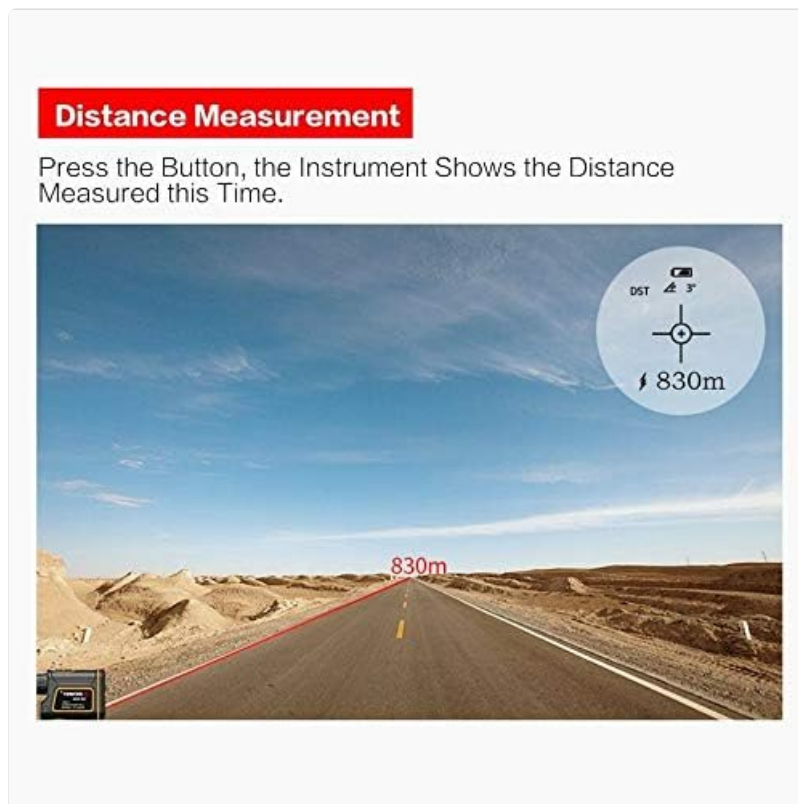


Figure 5: Example of distance measurement display, showing a measured distance of 830m to a distant object.

2. Continuous Measurement (Scan Mode):

Allows for continuous scanning of distances as you pan the device across multiple targets.

- Enter this mode by pressing the **Mode** button until the scan icon appears.

- Press and hold the **Power/Measure** button while sweeping the device across the targets. The display will update with real-time distances.

3. Height Measurement:

Measures the vertical height of an object using two distance measurements and an angle.

- Select the height measurement mode.
- Measure the distance to the base of the object.
- Measure the distance to the top of the object. The device will calculate and display the height.

4. Angle Measurement:

Measures the angle of inclination or declination relative to the horizontal.

- Select the angle measurement mode.
- Point the device at the desired target. The angle will be displayed.

5. Speed Measurement:

Measures the speed of a moving object.

- Select the speed measurement mode.
- Aim at the moving object and press the **Power/Measure** button. The speed will be displayed in KM/H.



Figure 6: The SNDWAY SW-1000A held in hand, illustrating its portability and the icons for various measurement modes: Distance, Height, Speed, and Angle.

MAINTENANCE

Cleaning:

- Use a soft, clean cloth to wipe the exterior of the device.
- For lenses, use a lens cleaning cloth and solution designed for optical instruments. Do not use abrasive materials.

Storage:

- Store the device in its protective carrying case when not in use.
- Keep it in a cool, dry place, away from direct sunlight and extreme temperatures.
- If storing for extended periods, ensure the battery is partially charged (around 50%) and recharge it every few months to maintain battery health.



Figure 7: The SNDWAY SW-1000A securely stored within its black protective carrying case.



Figure 8: The SNDWAY SW-1000A alongside its carrying case and wrist strap, demonstrating accessories for portability and protection.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not turn on.	Low or depleted battery.	Charge the device using the provided USB cable.

Problem	Possible Cause	Solution
Inaccurate measurements.	Target is too far or too close. Poor visibility (fog, heavy rain). Lens is dirty. Unstable aiming.	Ensure target is within 3-1000M range. Use in clear conditions. Clean the objective and ocular lenses. Hold the device steady or use a tripod.
Display is blurry.	Diopter not adjusted.	Rotate the eyepiece to adjust the diopter until the display is clear.
Device not charging.	Faulty cable or power source.	Try a different USB cable or power adapter. Ensure the charging port is clean.

SPECIFICATIONS

Feature	Specification
Measuring Distance	3 - 1000M
Measuring Speed	0 - 300KM/H
Distance-Measuring Error	+/- 1M
Waterproof Rating	IP54
Height-Measuring Function	Yes
Angular-Measuring Range	+/- 60 degree
Teleconverter	7X
Objective Lens Aperture	24MM
Ocular Lens Aperture	16MM
Exit Pupil Diameter	3.8MM
Field of View	7 degree
Diopter Regulation Range	+/- 3 diopters
Measuring Units	M, Y
Battery	Built-in 750mAh Li-ion battery
Battery Lifespan (full charge)	30000 times
Display	LCD display
Item Weight	360 g
Material	Plastic Aluminum

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Sndway website or contact your retailer. Keep your purchase receipt as proof of purchase for any warranty claims.

For further assistance, please visit: www.sndway.com (Note: This is a placeholder URL as no specific support link was provided in the input data. Users should refer to the actual product documentation or manufacturer's website for accurate support information.)