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SNDWAYTOOLS SW800B

SNDWAYTOOLS SW800B Laser Rangefinder Instruction Manual

Model: SW800B | Brand: SNDWAYTOOLS

1. Introduction

Thank you for purchasing the SNDWAYTOOLS SW800B Laser Rangefinder. This device is designed for precise distance measurement in various outdoor activities, particularly golf. It features advanced laser technology to provide accurate readings for distance, speed, area, and volume, along with a pin-seeking function and slope compensation. Please read this manual thoroughly before use to ensure proper operation and to maximize the device's performance.

2. Safety Information

2.1 Laser Safety

This device uses a Class 1 laser product (Laser Wavelength: 905 nm). Avoid direct eye exposure to the laser beam. Do not aim the device at the sun or other bright light sources, as this may cause permanent eye damage. Keep the device out of reach of children.

2.2 General Precautions

- Do not disassemble or modify the device.
- Protect the device from strong impacts or drops.
- Do not expose the device to extreme temperatures or humidity.
- Clean the lenses with a soft, dry cloth only.

3. Package Contents

Verify that all items are present in your package:

- SNDWAYTOOLS SW800B Golf Laser Rangefinder Unit × 1
- Dedicated Hard Case × 1
- USB Charging Cable × 1
- Strap × 1
- Lens Cleaning Cloth × 1
- User Manual (Japanese) × 1

4. Product Overview

The SW800B Laser Rangefinder is a compact and ergonomic device designed for ease of use and portability.



Figure 1: Front view of the SNDWAYTOOLS SW800B Laser Rangefinder, showing the objective lens, eyepiece, and control buttons.

4.1 Components

1. **Objective Lens:** Transmits the laser beam and receives reflected light.
2. **Eyepiece:** For viewing the display and target. Features a focus adjustment ring.
3. **Power/Measure Button:** Powers on the device and initiates measurements.
4. **Mode Button:** Cycles through different measurement modes.
5. **USB Charging Port:** For recharging the internal battery.
6. **Battery Compartment:** Houses the internal rechargeable battery.

5. Specifications

Feature	Specification
Product Name	SW800B Golf Laser Rangefinder

Dimensions	105mm × 66mm × 38mm
Weight	175g
Average Error	±1 Yard
Lens Magnification	6X
Battery Capacity	750mAh
Auto-Off	120 seconds
Laser Level	Class 1
Laser Wavelength	905 nm
Waterproof Performance	IP54
Charging Type	Rechargeable (USB)
Exit Pupil Diameter	3.7mm
Objective Lens Diameter	19mm

6. Setup

6.1 Battery Charging

The SW800B features a built-in 750mAh rechargeable battery. Before first use, fully charge the device.

1. Locate the USB charging port on the device.
2. Connect the provided USB charging cable to the device and a compatible USB power source (e.g., computer, wall adapter, power bank).
3. The charging indicator will illuminate during charging and turn off when fully charged.



Figure 2: The SW800B rangefinder connected to a USB cable for charging, illustrating its rechargeable nature and compatibility with various power sources like car chargers or power banks.

6.2 Initial Power On

Press the Power/Measure button once to turn on the device. The display will show the last used measurement mode.

7. Operating Instructions

7.1 Power On/Off

- **Power On:** Press the Power/Measure button once.
- **Power Off:** The device will automatically power off after 120 seconds of inactivity to conserve battery.

7.2 Focus Adjustment

Rotate the eyepiece's focus adjustment ring until the display and target appear clear and sharp.



Figure 3: Close-up of the rangefinder's eyepiece, highlighting the focus adjustment ring. This ring allows users to sharpen the view for both near and far sighted individuals.

7.3 Mode Selection

Press the Mode button to cycle through the available measurement modes. The display will indicate the active mode.



Figure 4: Various display modes of the SW800B rangefinder, including Golf Mode (showing slope-adjusted distance), standard Distance, Speed, Area, and Volume measurements.

7.3.1 Distance Measurement

In standard distance mode, aim the crosshairs at the target and press the Power/Measure button. The distance will be displayed almost instantly (approx. 0.2 seconds).

7.3.2 Pin-Seeking Function

This mode prioritizes the closest object, making it ideal for golf flags. When measuring a flagstick with trees in the background, the device will display the distance to the flag. The device will lock onto the target and display the distance.



Figure 5: The rangefinder's display in Pin-Seeking mode, showing the flagstick targeted and the measured distance of 58.8 meters. This mode helps prevent accidental measurement of background objects.

7.3.3 Slope Compensation (High/Low Difference Function)

The device can calculate and display the slope-adjusted distance, which is useful for golf to account for elevation changes. This function can be toggled on/off.



Figure 6: An illustration demonstrating the maximum measurement range of 800m (874 yards) and the device's ability to instantly measure distance, angle, high/low difference, and speed with ±1.0m accuracy.

7.3.4 Speed Measurement

Select the speed measurement mode. Aim at a moving object and press the Power/Measure button. The speed will be displayed.

7.3.5 Area and Volume Measurement

These modes allow for calculating the area and volume of objects by taking multiple measurements. Follow the on-screen prompts for each step.

7.4 Unit Switching (Meters/Yards)

To switch between meters (m) and yards (Y), press the Mode button and Power/Measure button simultaneously. The display will update to the selected unit.



Figure 7: The rangefinder's display showing distance in meters, with an accompanying graphic illustrating how to switch between meters (M) and yards (Y) using two buttons.

8. Maintenance

8.1 Cleaning

- Use the provided lens cleaning cloth to gently wipe the objective lens and eyepiece.
- For the device body, use a soft, damp cloth. Do not use abrasive cleaners or solvents.

8.2 Storage

- Store the device in its dedicated hard case when not in use to protect it from dust and impacts.
- Store in a cool, dry place, away from direct sunlight and extreme temperatures.

8.3 Waterproofing

The SW800B has an IP54 waterproof rating, meaning it is protected against dust and splashing water from any direction. It is suitable for use in light rain but should not be submerged in water.



Figure 8: The SW800B rangefinder shown with water droplets, illustrating its IPX5 (IP54 in product description) waterproof capability, ensuring reliable use even in light rain.

9. Troubleshooting

9.1 Device Not Powering On

- Ensure the battery is sufficiently charged. Connect the device to a power source using the USB cable.
- Press and hold the Power/Measure button for a few seconds.

9.2 Inaccurate Measurements

- Ensure the target is within the device's measurement range (up to 800M).
- Check for any obstructions between the device and the target.
- Clean the objective lens and eyepiece with the provided cloth.
- Ensure stable aiming. Use a steady hand or a tripod if available.

9.3 Display Issues

- Adjust the focus ring on the eyepiece.
- Ensure the device is not exposed to extreme temperatures.

10. Warranty and Support

This product comes with a 1-year quality warranty. If you encounter any issues during use, please contact the retailer for assistance or replacement. We are committed to providing reliable support for our products.

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