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Sndway SW-TM40

SNDWAY SW-TM40 Laser Distance Meter and Tape Measure User Manual

Model: SW-TM40 | Brand: Sndway

1. Introduction

Thank you for choosing the SNDWAY SW-TM40 Laser Distance Meter and Tape Measure. This 2-in-1 device combines the precision of a laser distance meter with the convenience of a traditional tape measure, offering versatile measurement solutions for various applications. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your device. Please read this manual thoroughly before use and keep it for future reference.

1.1 Safety Information

WARNING: Laser Radiation
This device emits Class 2 laser radiation. Do not stare into the laser beam. Do not aim the laser beam at people or animals. Avoid direct eye exposure. Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

- Always operate the device in a safe manner.
- Keep the device out of reach of children.
- Do not attempt to modify or disassemble the device.
- Ensure the measurement surface is appropriate and safe.

2. Product Overview

The SNDWAY SW-TM40 is a compact and robust measuring tool designed for accuracy and ease of use.

2.1 Key Features

- **Dual Mode Ranging:** Combines a 40m laser distance meter and a 5m physical tape measure.
- **High Accuracy:** Laser measurement accuracy of ±2mm.
- **Automatic Lock Function:** Tape measure features an automatic lock for ease of use.

- **Magnetic Hook:** Zero magnetic hook for stable tape measurements.
- **Front/Rear Reference Selection:** Allows measurement from the front or rear of the device.
- **Self-Calibration:** Supports self-calibration for precise measurements.
- **Unit Switch:** Easily switch between meters (m), inches (in), and feet (ft).
- **Real-time Refresh Data:** Continuous measurement mode with real-time data display.
- **Double Photosensitive Hole:** Enhances stability and light intake in complex environments.
- **Automatic Shut-Down:** Laser off after 20 seconds, device shut-down after 150 seconds of inactivity.

2.2 Device Components



Figure 2.1: Front view of the SNDWAY SW-TM40, showing the digital display, READ button, and UNIT button.



Figure 2.2: The device with its 5-meter tape measure extended, illustrating its dual functionality.



Figure 2.3: Dimensions of the SW-TM40: approximately 85mm (3.3in) in length and 59mm (2.3in) in width.



Figure 2.4: The integrated metal buckle on the back, designed for convenient attachment to a belt or pants for hands-free carrying.



Figure 2.5: Illustration of the two ranging methods: 5m tape measure for close distances and 40m laser range finder for longer distances.



Figure 2.6: The device shown with both laser and tape measure functionalities, highlighting its 2-in-1 design and ±2mm accuracy.



Figure 2.7: Contents of the product package, including the SW-TM40 device, user manual, and a small screwdriver.

3. Setup

3.1 Battery Installation

The SNDWAY SW-TM40 uses Alkaline batteries. Locate the battery compartment, typically on the side or rear of the device. Open the compartment cover, insert the batteries according to the polarity indicators (+/-), and close the cover securely.

3.2 Initial Power On

Press and hold the **READ** button to power on the device. The display will illuminate, indicating it is ready for use.

4. Operating Instructions

4.1 Power On/Off

- **Power On:** Press and hold the **READ** button.
- **Power Off:** Press and hold the **READ** button again, or the device will automatically shut down after 150 seconds of inactivity. The laser will turn off after 20 seconds of inactivity.

4.2 Unit Switching

Press the **UNIT** button to cycle through the available measurement units: meters (m), inches (in), and feet (ft).

4.3 Laser Measurement (40m Range)

1. **Select Reference Point:** The device allows selection of front or rear reference for measurements. Consult the on-screen indicator to confirm the active reference point.
2. **Single Measurement:**
    - Aim the laser at the target surface.
    - Press the **READ** button once to emit the laser.
    - Press the **READ** button again to take the measurement. The result will be displayed on the screen.
3. **Continuous Measurement:**
    - Press and hold the **READ** button to activate continuous measurement mode.
    - Move the device to measure distances in real-time. The display will continuously update the measurement.
    - Press the **READ** button again to stop continuous measurement.

4.4 Tape Measurement (5m Range)

1. **Extend Tape:** Pull the tape measure out from the device. The tape will automatically lock at the desired length.
2. **Measure:** Position the tape hook at the starting point and extend the tape to the end point.
3. **Retract Tape:** Press the button located near the tape opening to release the lock, and the tape will retract automatically.

4.5 Self-Calibration

The device supports self-calibration to maintain accuracy. Refer to the on-screen prompts or specific instructions within the device's internal menu for performing a self-calibration, typically involving a 9mm adjustment.

5. Maintenance

- **Cleaning:** Use a soft, damp cloth to clean the device. Do not use abrasive cleaners or solvents. Ensure the laser lens and display are kept clean for optimal performance.
- **Storage:** Store the device in a cool, dry place, away from direct sunlight and extreme temperatures. The recommended storage temperature is -20°C to 60°C (-4°F to 140°F) with humidity between 20% and 80% RH.
- **Battery Care:** Remove batteries if the device will not be used for an extended period to prevent leakage.

6. Troubleshooting

Problem	Possible Cause	Solution
Device does not power on.	Low or dead batteries; incorrect battery installation.	Replace batteries; ensure correct polarity.
Inaccurate laser measurement.	Laser lens is dirty; device needs calibration; unstable measurement surface.	Clean laser lens; perform self-calibration; ensure stable measurement.
Tape measure does not retract.	Retraction mechanism jammed; button not fully pressed.	Ensure the retraction button is fully pressed; gently guide the tape. Do not force.
Display is dim or blank.	Low batteries; extreme temperature.	Replace batteries; operate within specified working temperature (0-40°C).

7. Specifications

Parameter	Value
Measuring Range (Laser)	40m
Measuring Range (Tape)	5m
Laser Accuracy	±2mm
Laser Type	Class II, 635nm, <1mW
Unit Switch	m / in / ft
Self-Calibration	Yes (9mm)
Automatic Laser Off	20 seconds
Automatic Shut-Down	150 seconds
Storage Condition Temperature	-20°C to 60°C (-4°F to 140°F)
Working Condition Temperature	0°C to 40°C (32°F to 104°F)
Storage Humidity	20% - 80% RH
Product Dimensions	85.3 x 79.3 x 58.8 mm (3.3 x 3.1 x 2.3 in)
Product Weight	0.42 kg (0.92 lbs)
Material	Alloy Steel
Battery Type	Alkaline
Water Resistance Level	Water Resistant (IP68)
UPC	716852212774

8. Warranty and Support

Information regarding the specific warranty period and support contact details for the SNDWAY SW-TM40 is not available in this manual. For warranty claims, technical support, or service inquiries, please contact your original point of purchase or refer to the official Sndway website for the most up-to-date information.
Please retain your purchase receipt as proof of purchase for any warranty-related matters.

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