

## SNDWAY SW-T60

# SNDWAY Digital Laser Distance Measure SW-T60 60M User Manual

Model: SW-T60

## 1. INTRODUCTION

This manual provides detailed instructions for the safe and effective operation of your SNDWAY Digital Laser Distance Measure, model SW-T60. Please read this manual thoroughly before using the device to ensure proper handling, optimal performance, and to prevent potential hazards.

## 2. SAFETY INFORMATION

### **WARNING: Laser Radiation**

This device emits Class II laser radiation. Do not stare into the laser beam. Avoid direct eye exposure. Laser maximum output is less than 1mW. Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

- Do not attempt to modify the device.
- Keep the device out of reach of children.
- Do not use the device in explosive environments.
- Protect the device from impact and extreme temperatures.

## 3. PRODUCT OVERVIEW

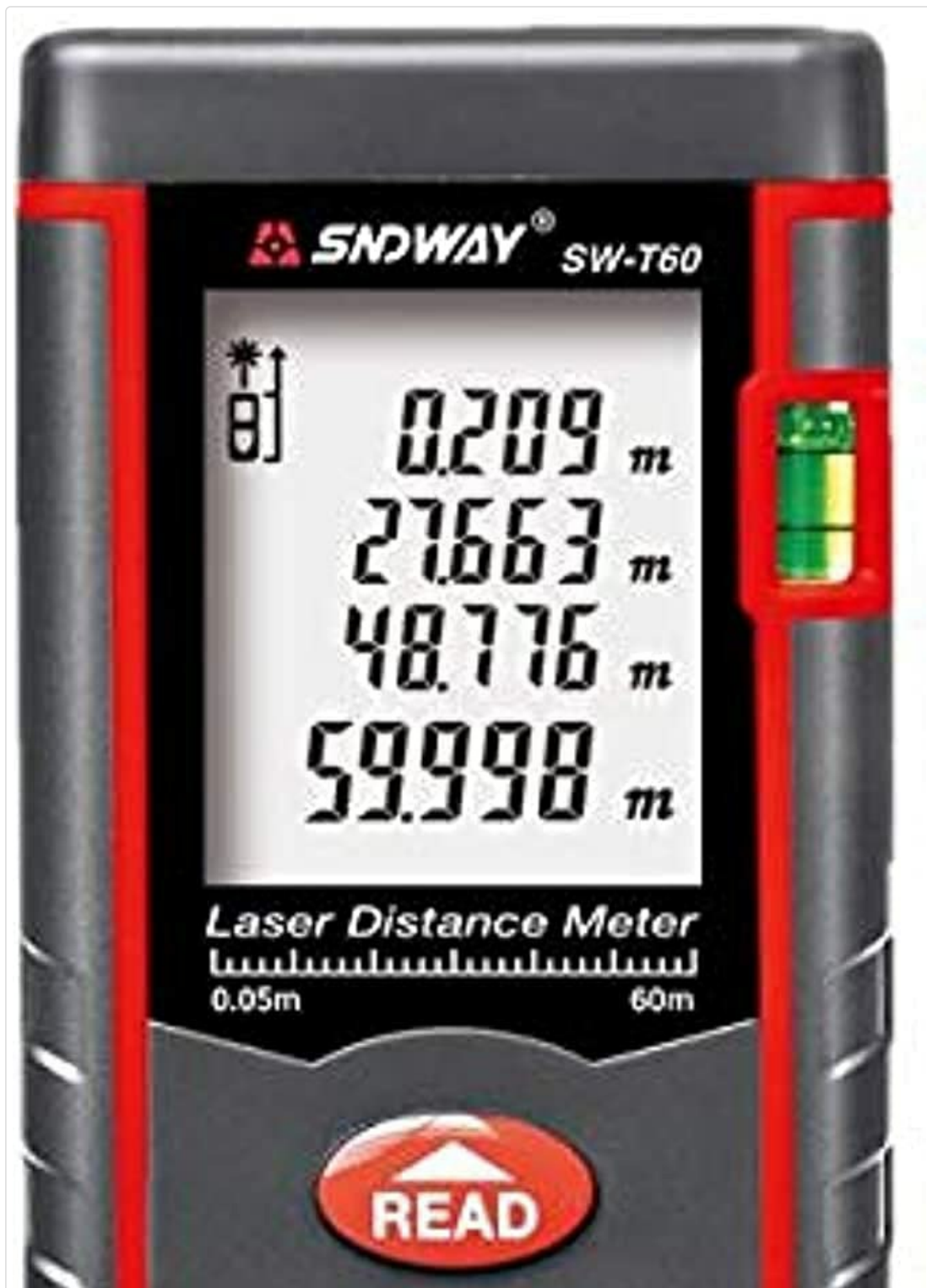
The SNDWAY SW-T60 is a digital laser distance measure designed for accurate and efficient measurements. It features a 4-line LCD display, a built-in bubble level, and various measurement functions.

### **Key Features:**

- Instant measurement of distance, area, and volume.
- High accuracy:  $\pm 2\text{mm}$  (0.079 inch).
- Indirect measurement using Pythagorean Theorem.

- Single and continuous measurement modes.
- Max/Min distance tracking.
- Addition/Subtraction of measurements.
- Selectable measurement units: meter (m), inch (in), feet (ft).
- Data storage and recall function.
- Built-in air bubble level for precise alignment.
- Large LCD with backlight and multi-line display (4 lines).
- Automatic correction and error reporting.
- IP54 dust and splash protection.
- Automatic power off function.

#### Device Components:





**Figure 1:** Front view of the SNDWAY SW-T60 Laser Distance Measure, showing the LCD display, control buttons (READ, +, -, Area/Volume, Pythagorean, Unit, Off/Clear), and the integrated bubble level on the side.



**Figure 2:** Side view of the SNDWAY SW-T60 Laser Distance Measure illustrating its compact dimensions: 112mm length, 50mm width, and 25mm thickness.



Figure 3: The SNDWAY SW-T60 Laser Distance Measure, highlighting the brand logo and model number SW-T60, indicating its 60-meter measuring capability.



Figure 4: Display of the SNDWAY SW-T60, illustrating icons for various measurement functions: single distance, area, volume, and Pythagorean theorem calculations. It also shows the measuring accuracy of ±2mm and a maximum storage of 30 units.

## 4. SETUP

### 4.1 Battery Installation

1. Locate the battery compartment cover on the back of the device.
2. Slide or unclip the cover to open it.
3. Insert two 1.5V AAA batteries, ensuring correct polarity (+/-). *Note: Batteries are not included in the package.*
4. Close the battery compartment cover securely.



**Figure 5:** Contents of the SNDWAY SW-T60 package, including the laser distance meter, a portable pouch, a hanging rope, and the user manual. Batteries are not shown as they are sold separately.

## 5. OPERATING INSTRUCTIONS

### 5.1 Power On/Off

- To power on: Press the **READ** button.
- To power off: Press and hold the **OFF/CLEAR** button for a few seconds, or the device will automatically power off after 150 seconds of inactivity.

### 5.2 Basic Distance Measurement

1. Point the laser at the target.
2. Press the **READ** button once. The measurement will be displayed on the screen.

### 5.3 Area Measurement

1. Press the **Area/Volume** button once. An icon for area measurement will appear on the display.
2. Measure the first side (e.g., length) by pressing **READ**.
3. Measure the second side (e.g., width) by pressing **READ** again.
4. The device will automatically calculate and display the area.

### 5.4 Volume Measurement

1. Press the **Area/Volume** button twice. An icon for volume measurement will appear.

2. Measure length, width, and height sequentially by pressing **READ** after each measurement.
3. The device will automatically calculate and display the volume.

### 5.5 Pythagorean Measurement (Indirect)

1. Press the **Pythagorean** button. Select the desired Pythagorean mode (e.g., two-point or three-point).
2. Follow the on-screen prompts to measure the required sides (e.g., hypotenuse, base).
3. The device will calculate the unknown side.

### 5.6 Continuous Measurement (Tracking)

1. From basic measurement mode, press and hold the **READ** button.
2. Move the device. The display will continuously update with the current distance, as well as the maximum and minimum measured distances.
3. Press **READ** again to stop continuous measurement.

### 5.7 Addition and Subtraction of Measurements

1. Perform a measurement.
2. Press the **+** button for addition or **-** button for subtraction.
3. Perform the next measurement. The device will automatically add or subtract it from the previous value.
4. Repeat as needed.

### 5.8 Setting Measurement Benchmark

The device allows you to set the measurement reference point from either the front or the rear of the device. This is typically toggled by a dedicated button or a long press of a specific function button. Refer to the on-screen icon to confirm the current benchmark setting.

### 5.9 Unit Selection

Press the **Unit** button (often labeled 'U' or similar) to cycle through available units: meters (m), inches (in), and feet (ft).

### 5.10 Data Store/Recall/Clear

The device can store up to 30 measurement units. Use the dedicated data storage/recall button (if available, often combined with other functions) to save current measurements or review previously stored data. Pressing the **OFF/CLEAR** button briefly will clear the last measurement or error message.

## 6. MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the device. Do not use abrasive cleaners or solvents.
- **Lens Care:** The laser lens is a sensitive component. Clean it gently with a soft cloth, similar to cleaning camera lenses.
- **Storage:** When not in use for extended periods, remove the batteries to prevent leakage. Store the device in its portable pouch in a dry place, within the specified storage temperature range of -20°C to 60°C (14°F to 140°F).
- **Protection:** The device has an IP54 rating, meaning it is protected against dust ingress and splashing water from any direction. However, it is not waterproof and should not be submerged.

## 7. TROUBLESHOOTING

The SNDWAY SW-T60 features automatic correction and error reporting technology. If an error occurs, an error code or message may appear on the display. Refer to the following common issues:

Problem	Possible Cause	Solution
Device does not power on.	Batteries are depleted or incorrectly inserted.	Replace batteries with new 1.5V AAA batteries, ensuring correct polarity.
Inaccurate measurements.	Laser beam obstructed, target surface not reflective enough, or device not stable.	Ensure a clear path for the laser. Use a reflective target if necessary. Keep the device steady during measurement.
Error message on display.	Measurement out of range, internal error, or environmental interference.	Press <b>OFF/CLEAR</b> to clear the error. Re-attempt measurement. If persistent, refer to the full error code list in the manufacturer's detailed manual or contact support.
Display is dim or flickering.	Low battery power.	Replace batteries.

## 8. SPECIFICATIONS

Parameter	Value
Measuring Range	0.05 to 60 meters
Accuracy	±2mm (0.079 inch)
Laser Class	Class II
Laser Maximum Output	<1mW
Dust & Splash Proof	IP54
Laser Auto Off	20 seconds
Power Auto Off	150 seconds
Operation Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-20°C to 60°C (14°F to 140°F)
Power Supply	2 x 1.5V AAA battery
Dimensions	112 x 50 x 25 mm (4.41 x 1.97 x 0.99 inch)
Weight	Approx. 250 g
Certificates	CE, ROHS, FCC

## 9. WARRANTY AND SUPPORT

Specific warranty terms and conditions for the SNDWAY SW-T60 Laser Distance Measure are typically provided by the retailer at the time of purchase or by the manufacturer. Please retain your proof of

purchase for warranty claims.

For technical support, service, or further inquiries, please contact your point of purchase or refer to the official SNDWAY website for contact information.