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STANLEY STHT77138X

Stanley STHT77138X Laser Distance Measurer User Manual

Model: STHT77138X | Brand: STANLEY

1. INTRODUCTION

The Stanley STHT77138X Laser Distance Measurer is a precision instrument designed for quick and accurate measurement of distances, areas, and volumes. This compact and user-friendly device is ideal for both DIY enthusiasts and professionals, simplifying various measurement tasks in construction, home improvement, and other fields.

Key features include a measurement range of up to 100 feet (30 meters) with an accuracy of +/- 3/32 inches (2mm), continuous measurement tracking, and convenient addition/subtraction capabilities. The device operates on two AAA batteries, which are included for immediate use.

2. SAFETY INFORMATION

Please read and understand all safety instructions before operating the device. Failure to follow these instructions may result in laser radiation exposure, electric shock, fire, and/or serious injury.

- **Laser Radiation:** This device emits a Class 2 laser. Do not stare directly into the laser beam. Avoid direct eye exposure.
- **Battery Safety:** Use only specified battery types (2x AAA). Do not mix old and new batteries. Dispose of batteries properly.
- **Operating Environment:** Do not operate the device in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Maintenance:** Do not attempt to disassemble or modify the device. Refer all servicing to qualified service personnel.

3. PRODUCT OVERVIEW



Figure 1: Front view of the Stanley STHT77138X Laser Distance Measurer, showing the display and control buttons.

Components:

- **Laser Emitter/Receiver:** Located at the top of the device.
- **LCD Display:** Shows measurements, modes, and battery status.
- **Control Buttons:** ON/Measure, OFF/Clear, Units, Addition/Subtraction, Area/Volume, Continuous Measurement.
- **Battery Compartment:** Located at the rear of the device.

4. SETUP

4.1. Battery Installation

1. Locate the battery compartment cover on the back of the device.
2. Slide the cover open.
3. Insert two (2) AAA batteries, ensuring correct polarity (+/-) as indicated inside the compartment.
4. Close the battery compartment cover securely.

4.2. Initial Power On

Press the **ON** button to power on the device. The LCD display will illuminate and show the default measurement

mode.

5. OPERATING INSTRUCTIONS

5.1. Basic Distance Measurement

1. Ensure the device is powered on.
2. Point the laser emitter towards the target surface.
3. Press the **ON** button once. The laser beam will activate.
4. Press the **ON** button again to take the measurement. The measured distance will appear on the display.

Your browser does not support the video tag.

Video 1: Demonstrates basic distance measurement and other features of the Stanley Laser Distance Measurer TLM99 (STHT77138X).

5.2. Changing Units

Press the **UNITS** button repeatedly to cycle through available measurement units: feet, inches (decimal), inches (fractional), and meters.

5.3. Area Measurement

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

5.4. Volume Measurement

1. Press the **Area/Volume** button twice to enter Volume mode. An icon representing volume will appear on the display.
2. Measure the length, width, and height sequentially by pressing the **ON** button after each measurement.
3. The device will automatically calculate and display the volume.

5.5. Continuous Measurement Tracking

To activate continuous measurement, press and hold the **ON** button. The device will continuously update the distance measurement as you move it, allowing for quick target finding. Release the button to stop tracking.

5.6. Addition and Subtraction

After taking a measurement, press the **+/-** button to add or subtract subsequent measurements. The display will indicate whether you are adding or subtracting. Press the **ON** button to take the next measurement, and the device will perform the calculation.

6. MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the device. Do not use abrasive cleaners or solvents.
- **Storage:** Store the device in a dry, dust-free environment when not in use. Remove batteries if storing for extended periods to prevent leakage.
- **Calibration:** The device is factory calibrated. No user calibration is required.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Dead or incorrectly inserted batteries.	Replace batteries or ensure correct polarity.
Inaccurate measurements.	Obstruction in laser path, unstable surface, or measuring beyond range.	Ensure clear laser path, measure from a stable surface, and stay within the 100ft range.
Laser dot not visible in bright light.	Normal behavior for Class 2 lasers in strong ambient light.	Use in dimmer conditions or use a target plate to enhance visibility.

8. SPECIFICATIONS

- **Model:** STHT77138X
- **Brand:** STANLEY
- **Measuring Range:** 100 feet (30 meters)
- **Accuracy:** +/- 3/32 inches (2mm)
- **Power Source:** 2 x AAA Alkaline Batteries (included)
- **Item Weight:** 3.52 ounces (0.1 Kilograms)
- **Product Dimensions:** 7 x 5.1 x 1.4 inches
- **Color:** Black
- **UPC:** 076174771381

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official STANLEY website or contact their customer service department. Keep your purchase receipt as proof of purchase for warranty claims.

STANLEY Customer Service: [Visit StanleyTools.com/support](https://www.stanleytools.com/support)