

STANLEY STH77100-0

STANLEY STH77100-0 30M Cordless Laser Distance Measurer Instruction Manual

1. INTRODUCTION

This manual provides detailed instructions for the safe and effective use of your STANLEY STH77100-0 30M Cordless Laser Distance Measurer. This device is designed for accurate distance, area, and volume measurements, suitable for home, DIY, and professional applications. Please read this manual thoroughly before operating the device and keep it for future reference.

2. SAFETY INFORMATION

2.1 General Safety Warnings

- Always operate the device in accordance with the instructions provided in this manual.
- Do not attempt to modify or disassemble the device. Repairs should only be performed by authorized service personnel.
- Keep the device out of reach of children and unauthorized persons.
- Avoid exposing the device to extreme temperatures, direct sunlight, or high humidity.
- Ensure the device is clean and dry before use. The device is rated IP65 for dust and water resistance.

2.2 Laser Safety

This product emits a Class 2 laser. Observe the following safety precautions:

- **DO NOT** stare directly into the laser beam.
- **DO NOT** point the laser beam at people or animals.
- Avoid directing the laser beam towards reflective surfaces, as this could cause the beam to reflect into your eyes or the eyes of others.
- The laser output is <1.0mW at 620-690nm.



Back view of the STANLEY STHT77100-0 Laser Distance Measurer, displaying the laser safety warning label and product specifications.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- 1 x STANLEY STHT77100-0 30M Laser Distance Measurer
- 2 x AAA Batteries
- 1 x Lanyard



Product packaging illustrating the included items: the laser distance measurer, two AAA batteries, and a lanyard.

4. PRODUCT OVERVIEW

The STANLEY STHT77100-0 is a compact and durable laser distance measurer designed for ease of use and accurate results. It features a large color screen for clear readability and a robust TPE overmould for a secure grip and protection.

STANLEY®

30M / 100FT MEASURING RANGE

with +/-3mm @10m accuracy
and a visible range of 30m

LARGE SCREEN SIZE

shows 3 rows of measurements
on screen at any time

POWER SAVE MODE

auto shut off when idle after
120 seconds (laser shut off),
180 seconds (screen shut off)

IMPROVED OVER-MOULD GRIP

rubber over-mould grip around
the entire sides of the unit.
Anti-slip, added comfort

1M IMPACT DROP TEST

withstands knocks and drops



**BLACK LETTERS
ON WHITE BACKGROUND**
easier to read, especially
in bright conditions

**AREA VOLUME,
PYTHAGORAS
CALCULATIONS**
for a wide range of applications

**EASE – TO – USE
2 BUTTON OPERATION**
ON/ measure button
for taking measurement
COG button for changing function

**2 POINTS
MEASUREMENT SYSTEM**
measurement can be taken
from either the top or base
of unit. For flexibility in
different measuring scenarios

Detailed diagram highlighting key features of the STANLEY STHT77100-0, including its 30m measuring range, large screen, power save mode, improved over-mould grip, 1M impact drop test rating, two-button operation, and two-point measurement system.

4.1 Device Components

- **Laser Aperture:** Emits the laser beam for measurement.
- **Display Screen:** Shows measurements, modes, and battery status. Features black letters on a white background for improved visibility.
- **ON / Measure Button:** Powers the device on and initiates measurements.
- **Settings / Function Button:** Cycles through measurement modes (distance, area, volume, Pythagoras) and accesses settings.
- **Battery Compartment:** Located at the rear for AAA batteries.
- **TPE Overmould:** Provides a secure grip and slip protection.



Front view of the STANLEY STHT77100-0, showcasing its clear display and intuitive two-button interface.

5. SETUP

5.1 Battery Installation

1. Locate the battery compartment cover on the back of the device.
2. Slide the cover downwards to open the compartment.
3. Insert two AAA batteries, ensuring correct polarity (+/-).
4. Close the battery compartment cover by sliding it upwards until it clicks into place.



The STANLEY STH77100-0 device shown alongside two AAA batteries, indicating the power source for the unit.

6. OPERATING INSTRUCTIONS

6.1 Power On/Off

- To power on the device, press the **ON / Measure** button.
- The device will automatically power off after 120 seconds of inactivity (laser shut off) and the screen will turn off after 180 seconds to conserve battery.

6.2 Basic Distance Measurement

1. Press the **ON / Measure** button once to activate the laser.
2. Aim the laser dot at the target point.
3. Press the **ON / Measure** button again to take the measurement. The distance will be displayed on the screen.



The device screen showing a single distance measurement in meters.

6.3 Continuous Measurement

To perform continuous measurement (tracking mode):

1. Press the **ON / Measure** button once to activate the laser.
2. Press and hold the **ON / Measure** button for a few seconds until the continuous measurement icon appears.
3. Move the device to track the distance. The display will update in real-time.
4. Press the **ON / Measure** button again to stop continuous measurement.



The device screen showing real-time updates during continuous measurement.

6.4 Area Measurement

To calculate the area of a surface:

1. Press the **Settings / Function** button until the area measurement icon appears on the display.
2. Press the **ON / Measure** button to measure the first side (length).
3. Press the **ON / Measure** button again to measure the second side (width).
4. The device will automatically calculate and display the area.



The device screen showing the calculated area after two measurements.

6.5 Volume Measurement

To calculate the volume of a space:

1. Press the **Settings / Function** button until the volume measurement icon appears on the display.
2. Press the **ON / Measure** button to measure the length.
3. Press the **ON / Measure** button again to measure the width.
4. Press the **ON / Measure** button a third time to measure the height.
5. The device will automatically calculate and display the volume.



The device screen showing the calculated volume after three measurements.

6.6 Pythagoras Calculation (Indirect Height)

Use this function to measure distances indirectly, such as height, when direct measurement is not possible.

1. Press the **Settings / Function** button until the Pythagoras measurement icon appears on the display.
2. Follow the on-screen prompts to take the necessary measurements (e.g., hypotenuse and base for height).
3. The device will calculate and display the indirect distance.



The device screen showing the calculated indirect height using the Pythagoras function.

6.7 Adding and Subtracting Measurements

The device supports adding and subtracting measurements. Refer to the on-screen icons and prompts for specific steps within each measurement mode.



The device screen showing the result of subtracting one measurement from another.

6.8 Measurement Reference Point

The device allows measurements to be taken from either the top or the base of the unit, providing flexibility for various scenarios. This is indicated by an icon on the display.



Illustration of the two-point measurement system, allowing measurements from either the top or base of the device.

6.9 Changing Units

The device can display measurements in both Metric (meters) and Imperial (feet/inches) units. Consult the device's on-screen menu or press and hold the **Settings / Function** button to cycle through available units.

7. 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, cool place when not in use. If storing for extended periods, remove the batteries to prevent leakage.
- **Battery Replacement:** Replace batteries when the low battery indicator appears on the display.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Dead or incorrectly installed batteries.	Check battery polarity and replace with fresh AAA batteries.
Inaccurate measurements.	Obstruction in laser path, highly reflective surface, or measurement taken from an unstable position.	Ensure clear laser path, use a non-reflective target if possible, and hold the device steady.
Laser does not activate.	Device in standby mode or low battery.	Press the ON / Measure button. Replace batteries if needed.

9. SPECIFICATIONS

Feature	Specification
Brand	STANLEY
Model Number	STHT77100-0
Measuring Range	30m (100ft)
Accuracy	+/- 3mm @ 10m
Laser Class	Class 2
Laser Wavelength	620-690nm
Power Source	2 x AAA Batteries
International Protection Rating	IP65 (Dust and Waterproof Resistant)
Material	Metal
Item Weight	158 Grams
Product Dimensions (LxWxH)	11.7 x 2.5 x 11.7 cm
Display	Color Screen (Black letters on white background)

Feature	Specification
Auto Power Saving	120 seconds (laser off), 180 seconds (screen off)



STHT77100-0
30M / 100FT LASER
DISTANCE MEASURER

STHT77100-0	
MEASURING RANGE	30M / 100FT
DISPLAY	LED (BLACK ON WHITE)
CONTINUOUS MEASUREMENT	YES
AREA / VOLUME	YES
AUTO POWER SAVING	120 SECS (LASER) 180 SECS (SCREEN)
PYTHAGORAS	YES
MEASURE UNIT	M/IN/FT
POWER SOURCE	2 X AAA BATTERIES (INC)

A detailed table summarizing the technical specifications of the STANLEY STHT77100-0 Laser Distance Measurer.

10. WARRANTY INFORMATION

The STANLEY STHT77100-0 Laser Distance Measurer comes with a 1-year warranty from the date of purchase. This warranty covers manufacturing defects and faulty materials. Please retain your proof of purchase for warranty claims. The warranty does not cover damage caused by misuse, unauthorized repairs, or normal wear and tear.

11. SUPPORT

For technical assistance, warranty claims, or general inquiries, please contact STANLEY customer support.

- **Customer Service Number:** 1800 203 0644
- **Website:** www.stanleylasers.com

Your browser does not support the video tag.

Official product video showcasing the features and benefits of the STANLEY Laser Distance Measurers, including the STHT77100-0 model. This video demonstrates its accuracy, various measurement functions (area, volume, Pythagoras), durability, and compact design.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question