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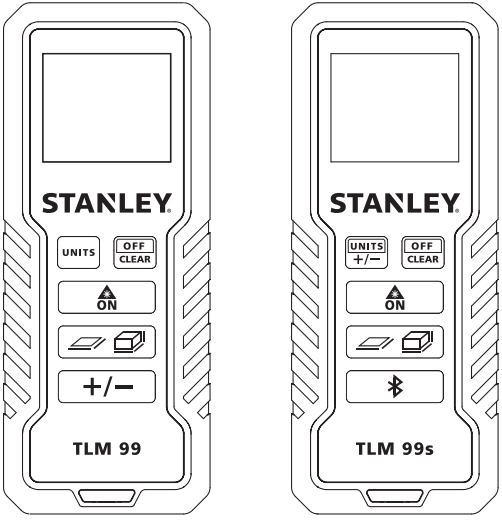
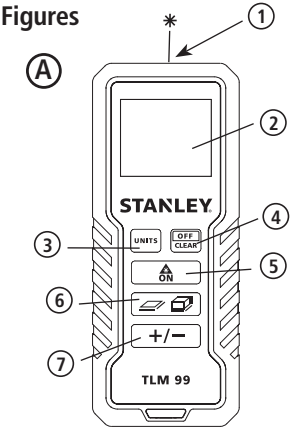
TLM99, TLM99s, TLM99si
User Manual



www.StanleyTools.com

Please read these instructions before operating the product.

Figures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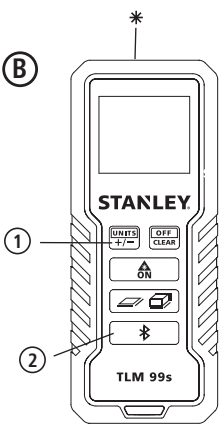
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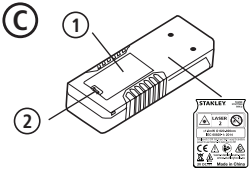
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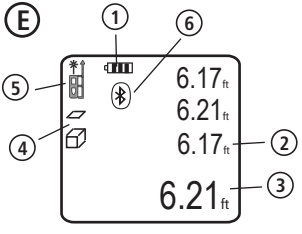
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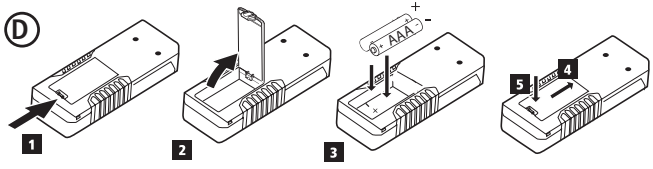
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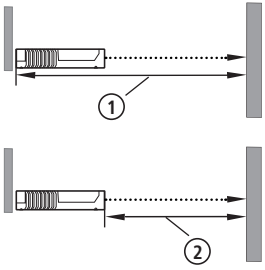
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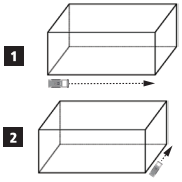
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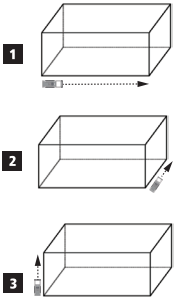
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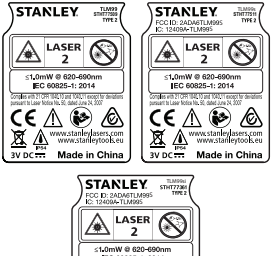
Contents

Retain all sections of this manual for future reference.

User Safety

WARNING:
Carefully read the Safety Instructions and Product Manual before using this product. The person responsible for the product must ensure that all users understand and adhere to these instructions.

WARNING:
The following label information is placed on your laser tool to inform you of the laser class for your convenience and safety.



The TLM99/TLM99s/TLM99si tool emits a visible laser beam, as shown in Figure Ⓐ #1. The laser beam emitted is Laser Class 2 per IEC 60825-1 and complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007.

WARNING:
While the laser tool is in operation, be careful not to expose your eyes to the emitting laser beam (red light source). Exposure to a laser beam for an extended time period may be hazardous to your eyes. Do not look into the beam with optical aids.

WARNING:
To reduce the risk of injury, user must read the Product User manual, Laser Safety, and Battery Safety manuals.

FCC Compliance
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Statement
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. This device is a portable unit. The exclusion threshold is 0.887<3. No SAR test is required. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a different circuit (not the circuit to which the receiver is connected).
- Consult the dealer or an experienced radio/TV technician for help.

Canada, Industry Canada (IC) Notices
Class B digital circuitry of this device complies with Canadian ICES-003. This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Notifications d'Industrie Canada (IC, Industry Canada), Canada

Le circuit de cet appareil numérique de classe B est conforme à l'ICES-003 (Canada). Cet appareil est conforme aux exigences RSS d'Industrie Canada exempt de licence. L'utilisation est sujette aux deux conditions suivantes : (1) cet appareil ne doit pas causer d'interférences, et (2) cet appareil doit accepter toutes les interférences, y compris celles qui pourraient provoquer un fonctionnement non souhaitable de l'appareil.

Under Industry Canada regulations, the radio transmitter(s) in this device may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Battery Safety

WARNING: Batteries can explode or leak and cause serious injury or fire. To reduce the risk:

ALWAYS follow all instructions and warnings on the battery label and package.

DO NOT short any battery terminals.

DO NOT charge alkaline batteries.

DO NOT mix old and new batteries. Replace all of them at the same time with new batteries of the same brand and type.

DO NOT mix battery chemistries.

DO NOT dispose of batteries in fire.

ALWAYS keep batteries out of reach of children.

ALWAYS remove batteries if the device will not be used for several months.

NOTE: Ensure that the recommended batteries are used.

NOTE: Ensure the batteries are inserted in the correct manner, with the correct polarity.

Setup (Load Batteries)

1. Locate the battery compartment latch on the back of the TLM99, TLM99s, or TLM99si tool (Figure Ⓒ #2).
2. Using your finger, pull the latch up to unlock and remove the battery door (Figure Ⓓ #1 and #2).
3. Insert two AAA batteries, making sure to position the **-** and **+** ends of each battery as noted inside the battery compartment (Figure Ⓓ #3).
4. Slide the pins at the bottom of the battery door into the notches in the battery compartment (Figure Ⓓ #4).
5. Push the battery door down until it snaps in place (Figure Ⓓ #5).

When the tool is ON, the battery level appears in the display window (Figure Ⓔ #1).

Operation

Measuring Distance to a Wall or Object

1. Click ON (Figure Ⓐ #5) to turn on the tool.
2. The tool will measure the distance from the **bottom** of the tool to the wall or object (Figure Ⓕ #1).

   To measure from the **top** of the tool instead of the bottom (Figure Ⓕ #2), hold for 2 seconds. On the display window, the tool icon will change from to (Figure Ⓔ #5).
3. Point the laser at the top of the tool (Figure Ⓐ #1) toward the wall or object whose distance you need to measure (Figure Ⓕ).
4. Click ON to measure the distance from the tool to the wall or object.
5. At the bottom of the display window (Figure Ⓐ #2), view the current measurement (Figure Ⓔ #3).

To take a new measurement, click ON to move the current measurement up to the previous line on the display window (Figure Ⓔ #2). Then repeat steps 2-5.

Measuring Distances Continuously

To take a series of measurements as you move around, change to Continuous Measure mode.

1. Click ON (Figure Ⓐ #5) to turn on the tool.
2. Point the laser at the top of the tool (Figure Ⓐ #1) toward the wall or object whose distance you need to measure (Figure Ⓕ).
3. Click and hold ON for 2 seconds to turn on the Continuous Measure mode.

4. At the bottom of the display window (Figure Ⓐ #2), view the current measurement (Figure Ⓔ #3), which will keep changing as you move the tool.

5. To take the current measurement (from the tool to the wall or object) and exit Continuous Measure mode, click ON.

To take a new measurement, click ON to move the current measurement up to the previous line on the display window. Then repeat steps 2-5.

Measuring Area

You can measure the area of a wall, floor, or object.

1. Click ON (Figure Ⓐ #5) to turn on the tool.

2. The tool will measure the distance from the **bottom** of the tool to the wall or object (Figure Ⓕ #1).

   To measure from the **top** of the tool instead of the bottom (Figure Ⓕ #2), hold [▱] for 2 seconds. On the display window, the tool icon will change from [▭] to [▭] (Figure Ⓔ #5).

3. Click [▱] to show ▱ on the display window (Figure Ⓔ #4).

4. Measure the **width**.

   - Point the top of the tool at one side of the target (wall, floor, or object).
   - Position the tool at one end of the target and point the laser dot across the width. (Figure Ⓖ #1 shows where to position the tool if you are measuring from the **bottom** of the tool.)
   - Click ON to display the width measurement at the top of the display window.

5. Measure the **length**.

   - Position the bottom of the tool at one end of the target and point the laser dot across the length. (Figure Ⓖ #2 shows where to position the tool if you are measuring from the **bottom** of the tool.)
   - Click ON to display the length measurement on the second line of the display window.

6. View the **Area** measurement at the bottom of the display window (Figure Ⓔ #3).

Measuring Volume

You can measure the volume of a room or object.

1. Click ON (Figure Ⓐ #5) to turn on the tool.

2. The tool will measure the distance from the **bottom** of the tool to the wall or object (Figure Ⓕ #1).

   To measure from the **top** of the tool instead of the bottom (Figure Ⓕ #2), hold [▱] for 2 seconds. On the display window, the tool icon will change from [▭] to [▭] (Figure Ⓔ #5).

3. Click [▱] twice to show ▱ on the display window (Figure Ⓔ #4).

4. Measure the **width**.

   - Point the top of the tool at one side of the target (room or object).
   - Position the tool at one end of the target and point the laser dot across the width. (Figure Ⓗ #1 shows where to position the tool if you are measuring from the **bottom** of the tool.)
   - Click ON to display the width measurement at the top of the display window.

5. Measure the **length**.

   - Position the tool at one end of the target and point the laser dot across the length. (Figure Ⓗ #2 shows where to position the tool if you are measuring from the **bottom** of the tool.)
   - Click ON to display the length measurement on the second line of the display window.

6. Measure the **height**.

   - Positon the tool at one end of the target and point the laser dot across the height. (Figure Ⓗ #3 shows wehre to position the tool if you are measuring from the **bottom** of the tool).
   - Click ON to take the measurement.

7. View the **Volume** measurement at the bottom of the display window (Figure Ⓔ #3).

Adding Measurements

You can add two measurements to get a total measurement of the two distances.

1. Click ON (Figure Ⓐ #5) to turn on the tool.
2. The tool will measure the distance from the **bottom** of the tool to the wall or object (Figure Ⓕ #1).

   To measure from the **top** of the tool instead of the bottom (Figure Ⓕ #2), hold [▱] for 2 seconds. On the display window, the tool icon will change from [⊟] to [⊟] (Figure Ⓔ #5).
3. Point the laser at the top of the tool (Figure Ⓐ #1) toward the wall or object whose distance you need to measure.
4. Click ON to measure the distance from the tool to the wall or object.
5. Indicate that you want to add this measurement to the next measurement.
   - On the **TLM99** keypad, click [+/−] (Figure Ⓐ #7).
   - On the **TLM99s** or **TLM99si** keypad, click [UNITS +/−] (Figure Ⓑ #1).
6. Point the laser at the top of the tool toward the next wall or object.
7. Click ON to measure the distance and add it to the previous measurement.
8. View the total of the two measurements at the bottom of the display window (Figure Ⓔ #3).

Subtracting Measurements

You can subtract one measurement from another.

1. Click ON (Figure Ⓐ #5) to turn on the tool.
2. The tool will measure the distance from the **bottom** of the tool to the wall or object (Figure Ⓕ #1).

   To measure from the **top** of the tool instead of the bottom (Figure Ⓕ #2), hold [▱] for 2 seconds. On the display window, the tool icon will change from [⊟] to [⊟] (Figure Ⓔ #5).
3. Point the laser at the top of the tool (Figure Ⓐ #1) toward the wall or object whose distance you need to measure.
4. Click ON to measure the distance from the tool to the wall or object.
5. Indicate that you want to subtract the next measurement from this measurement.
   - On the **TLM99** keypad, click [+/−] twice.
   - On the **TLM99s** or **TLM99si** keypad, click [UNITS +/−] twice.
6. Point the laser at the top of the tool toward the next wall or object.
7. Click ON to measure the distance and subtract it from the previous measurement.

Changing the Unit of Measure

Once the current measurement is taken (the device is not in Continuous Measure mode), you can change the unit of measure from decimal ft (6.21 ft) to fractional ft (6'02"9/16), fractional ft to meters (1.894 m), meters to inches (74 9/16 in), or inches to decimal ft.

- On the **TLM99** keypad, click [UNITS] (Figure Ⓐ #3).
- On the **TLM99s** or **TLM99si** keypad, hold [UNITS +/−] (Figure Ⓑ #1 until you see the measurement change (2-3 seconds).

Using Your TLM99s/TLM99si With STANLEY

If you have a **TLM99s** or **TLM99si**, you can use its Bluetooth® capability to pair it with the **STANLEY Measure** application on your cell phone or tablet, and then record accurate measurements in your floor plans.

1. From either GET IT ON Google play or Download on the App Store, download the **STANLEY Measure** application to your cell phone or tablet.
2. Using the **STANLEY Measure** application, capture the room or space for which you want to record the measurements, and build your floor plan.
3. On the TLM99s or TLM99si keypad, click ON to turn on the tool.
4. If the Bluetooth® icon does not appear on the display window (Figure Ⓔ #6), click [ᛒ] on the keypad to turn on Bluetooth®.
5. Use the **STANLEY Measure** application to pair your cell phone or tablet to the TLM99s or TLM99si.
6. Use the TLM99s or TLM99si to measure each wall in

the room or space captured in the floor plan, and sync the measurements to the floor plan.

7. Using the **STANLEY Measure** application, save the floor plan.

Once you have saved the floor plan, you can export it to one of several different file formats, including PDF, DXF, or JPG, and print it or email it to other people (your realtor, home center, etc.).

Turning Off the Tool

The tool can be turned off in either of these ways:

- Press and hold OFF CLEAR for several seconds (until the display window clears).
- If you do not use the tool for 90 seconds, it will automatically turn off.

Warranty

STANLEY warrants this product for a period of (2) years against deficiencies in material and workmanship. This LIMITED WARRANTY does not cover products that are improperly used, abused, altered, or repaired. Please call 866-786-5924 for more information or return instructions. Unless otherwise noted, STANLEY will repair without cost, any STANLEY product found to be defective, including parts and labor charges, or at STANLEY's option, will replace such tools or refund the purchase price, less the amount for depreciation, in exchange for the defective tool. THIS LIMITED WARRANTY EXCLUDES ALL INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states do not allow the exclusion or limitation of incidental or consequential damages, so these limitations may not apply to you. This TWO YEAR LIMITED WARRANTY gives you specific legal rights that may vary from state to state. In addition to the warranty, STANLEY Lasers are covered by: 30-Day Money Back Guarantee. If you are not completely satisfied with the performance of your STANLEY Laser for any reason, you can return it within 30 days from the date of purchase with a receipt for a full refund.

IMPORTANT NOTE: The customer is responsible for the correct use and care of the instrument. Moreover, the customer is completely responsible for periodically checking the accuracy of the laser unit, and therefore for the calibration of the instrument.

Calibration and care are not covered by warranty.

Error Codes

If INFO appears on the display window with a Code number, perform the corresponding Corrective Action.

Code	Description	Corrective Action
101	Received Signal Too Weak, Measuring Time Too Long	Use the target plate or change the target surface.
102	Received Signal Too High	Target is too reflective. Use the target plate or change the target surface.
201	Too Much Background Light	Reduce the background light on the target area.
202	Laser Beam Interrupted	Remove the obstacle and repeat the measurement.
203	Insufficient Power	Replace the batteries.
301	Temperature Too High	Allow the device to cool down to a temperature within the specified **Operating Temperature Range**.
302	Temperature Too Low	Allow the device to warm up to a temperature within the specified **Operating Temperature Range**.
401	Hardware Error	Switch the device on/off several times. If the error still occurs, return the defective device to the Service Center or distributor. Refer to the **Warranty**.
402	Unknown Error	Contact the Service Center or distributor. Refer to the **Warranty**.

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Specifications

Range	4in to 100ft (.1m to 30m)
Measuring Accuracy*	± 3/32in (± 2mm)*
Resolution**	1/16in (1mm)**
Laser Class	Class 2 (IEC/EN60825-1: 2014)
Laser Type	≤ 1.0mW @ 620-690nm
Laser/Backlight Automatic Switch-off	After 30s
Unit Automatic Switch-off	After 90s
Continuous Measuring	Yes
Area/Volume	Yes
Battery Life (2 x AAA)	Up to 3000 Measurements (2500 with Bluetooth®)
Dimension (H x D x W)	4.72 x 1.91 x 1.02in (120 x 48.5 x 26mm)
Weight (with Batteries)	3.21oz (100g)
Storage Temperature Range	14° F ~ 140° F (-10° C ~ +60 C)
Operating Temperature Range	32° F ~ 104° F (0° C ~ +40° C)

***Measuring Accuracy** depends on the current conditions:

- Under **favorable** conditions (good target surface and room temperature), up to 33ft (10m).
- Under **unfavorable** conditions (bright sunlight, a very weak reflecting target surface, or large temperature fluctuations), the error can increase by to ± 0.003 in/ft (± 0.25mm/m) for distances over 33ft (10m).

****Resolution** is the finest measurement you can see. In inches, that is 1/16". In mm, that is 1mm.

Notes:

STANLEY

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Made in China

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www.stanleytools.com