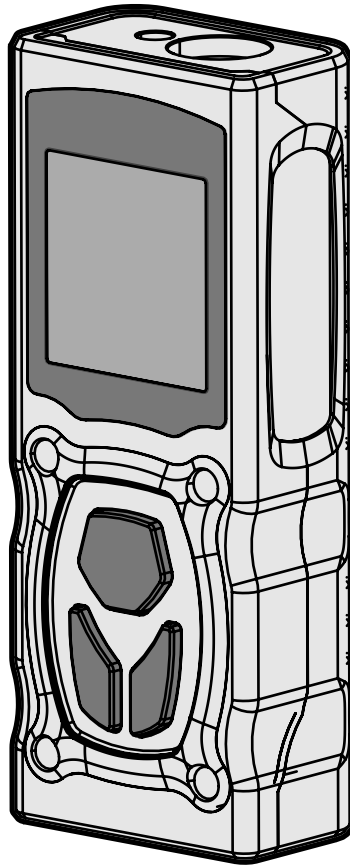




MODEL 10130

130-FOOT LASER DISTANCE MEASURE

Instruction Manual



NEED HELP? CONTACT US!

Have product questions? Need technical support? Please feel free to contact us:



1-800-232-1195 (M-F 8AM-5PM CST)



TECHSUPPORT@WENPRODUCTS.COM

IMPORTANT: Your new tool has been engineered and manufactured to WEN's highest standards for dependability, ease of operation, and operator safety. When properly cared for, this product will supply you years of rugged, trouble-free performance. Pay close attention to the rules for safe operation, warnings, and cautions. If you use your tool properly and for its intended purpose, you will enjoy years of safe, reliable service.


For replacement parts and the most up-to-date instruction manuals, visit ***WENPRODUCTS.COM***

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INTRODUCTION

Thanks for purchasing the WEN Laser Distance Measure. We know you are excited to put your tool to work, but first, please take a moment to read through the manual. Safe operation of this tool requires that you read and understand this operator's manual and all the labels affixed to the tool. This manual provides information regarding potential safety concerns, as well as helpful assembly and operating instructions for your tool.

 Indicates danger, warning, or caution. The safety symbols and the explanations with them deserve your careful attention and understanding. Always follow the safety precautions to reduce the risk of fire, electric shock or personal injury. However, please note that these instructions and warnings are not substitutes for proper accident prevention measures.

NOTE: The following safety information is not meant to cover all possible conditions and situations that may occur. WEN reserves the right to change this product and specifications at any time without prior notice.

At WEN, we are continuously improving our products. If you find that your tool does not exactly match this manual, please visit wenproducts.com for the most up-to-date manual or contact our customer service at **1-800-232-1195**.

Keep this manual available to all users during the entire life of the tool and review it frequently to maximize safety for both yourself and others.

SPECIFICATIONS

Model Number	10130
Laser Type	650 nm, <1 mW
Laser Class	II
Battery	AAA Batteries (2) (Not Included)
Operating Temperature	14°F - 104°F
Measuring Distance	0.16 ft. - 130 ft.
Measuring Accuracy	+/- 5mm at 130 feet
	+/- 3mm at 65 feet
Product Weight	3.5 oz. (With Batteries)
Product Dimensions	1-5/8 in. x 1 in. x 4-3/8 in.

GENERAL SAFETY RULES

⚠ WARNING! Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Safety is a combination of common sense, staying alert and knowing how your item works. The term “power tool” in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

SAVE THESE SAFETY INSTRUCTIONS.

WORK AREA SAFETY

- 1. Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- 2. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.
- 3. Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

ELECTRICAL SAFETY

- 1. Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
- 2. Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
- 3. Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- 4. Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
- 5. When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.

- 6. If operating a power tool in a damp location is unavoidable, use a ground fault circuit interrupter (GFCI) protected supply.** Use of a GFCI reduces the risk of electric shock.

PERSONAL SAFETY

- 1. Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- 2. Use personal protective equipment. Always wear eye protection.** Protective equipment such as a respiratory mask, non-skid safety shoes and hearing protection used for appropriate conditions will reduce the risk of personal injury.
- 3. Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.
- 4. Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- 5. Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- 6. Dress properly. Do not wear loose clothing or jewelry. Keep your hair and clothing away from moving parts.** Loose clothes, jewelry or long hair can be caught in moving parts.

GENERAL SAFETY RULES

 **WARNING!** Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Safety is a combination of common sense, staying alert and knowing how your item works. The term “power tool” in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

SAVE THESE SAFETY INSTRUCTIONS.

7. If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust-related hazards.

POWER TOOL USE AND CARE

1. Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.

2. Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.

3. Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.

4. Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.

5. Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.

6. Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

7. Use the power tool, accessories and tool bits, etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.

8. Use clamps to secure your workpiece to a stable surface. Holding a workpiece by hand or using your body to support it may lead to loss of control.

9. KEEP GUARDS IN PLACE and in working order.

SERVICE

1. Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

CALIFORNIA PROPOSITION 65 WARNING

Some dust created by power sanding, sawing, grinding, drilling, and other construction activities may contain chemicals, including lead, known to the State of California to cause cancer, birth defects, or other reproductive harm. Wash hands after handling. Some examples of these chemicals are:

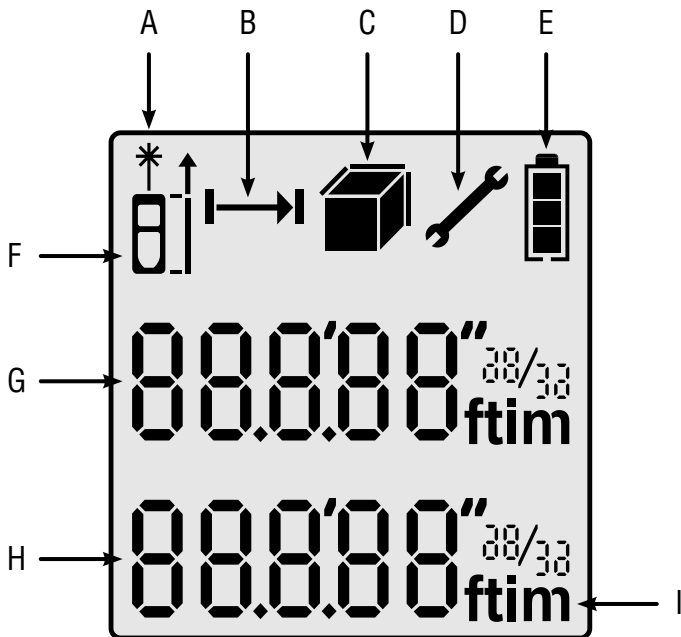
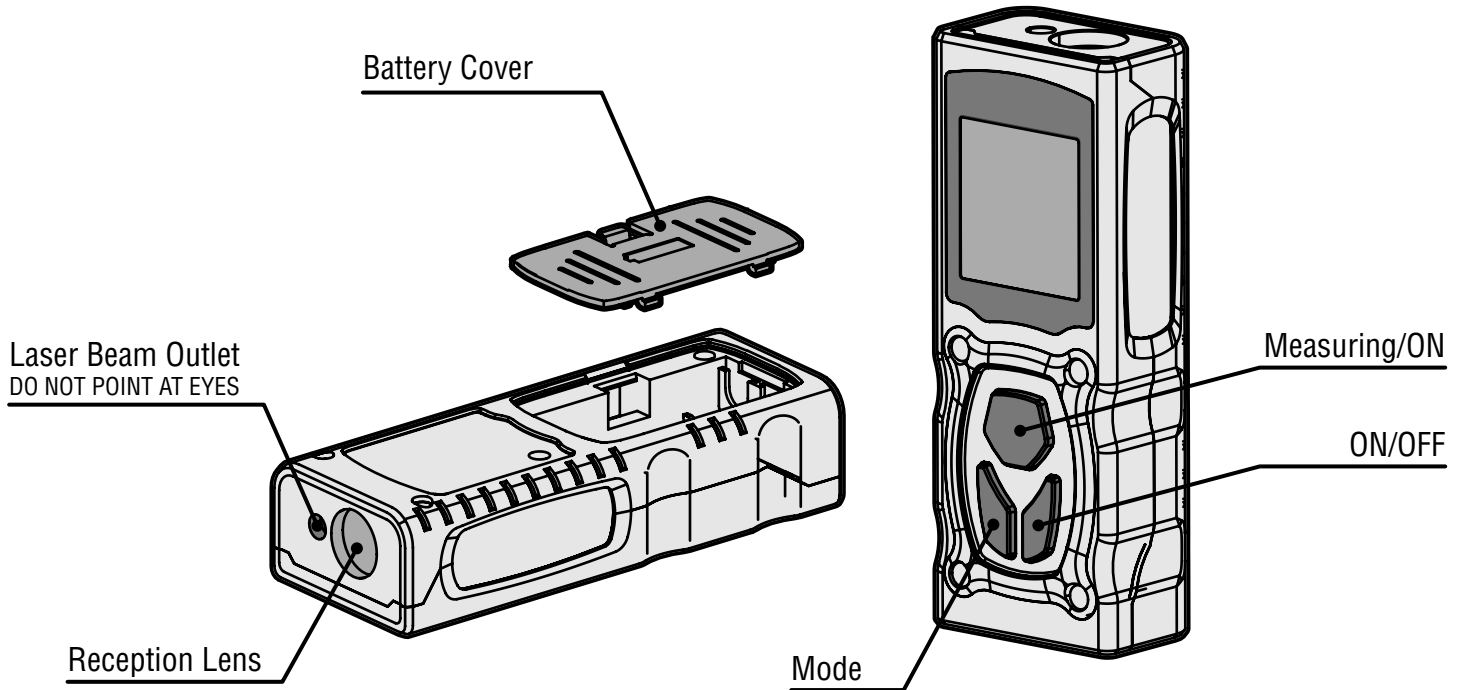
- Lead from lead-based paints.
- Crystalline silica from bricks, cement, and other masonry products.
- Arsenic and chromium from chemically treated lumber.

Your risk from these exposures varies depending on how often you do this type of work. To reduce your exposure to these chemicals, work in a well-ventilated area with approved safety equipment such as dust masks specially designed to filter out microscopic particles.

KNOW YOUR LASER DISTANCE MEASURE







TOOL PURPOSE

Measure distances, lengths, heights, clearances, areas, and volumes with your WEN Laser Distance Measure. Refer to the following diagrams to become familiarized with all the parts and controls of your tool. The components will be referred to later in the manual for assembly and operation instructions.



DISPLAY FUNCTIONS

Use the diagram to the left to learn about the various icons on your laser distance measure.

-  A. Laser ON/OFF
-  B. Length Measurement
-  C. Area/Volume Measurement
 - Area
 - Volume
-  D. Error/Service Needed
-  E. Battery Level
-  F. Measurement Reference
 - Top
 - Base
- G. Previous Measurement Value
- H. Current Measurement/Area/Volume
- I. Unit (m/ft/in/ ")

ASSEMBLY & ADJUSTMENTS

⚠ WARNING: Do not turn on the device until it is fully assembled according to the instructions. Failure to follow the safety instructions may result in serious personal injury.

INSTALLING/REMOVING BATTERIES

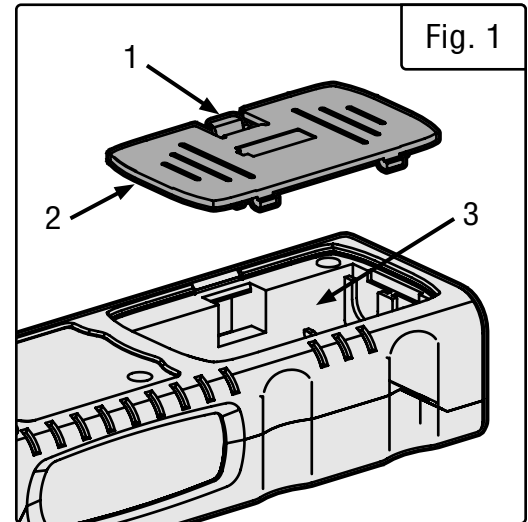
Your Laser Distance Measure requires two (2) AAA standard or rechargeable batteries (not included).

NOTE: More measurements are possible when using 1.5V rechargeable batteries rather than 1.2V rechargeable batteries.

1. Push the tab (Fig. 1 - 1) inwards and pull upwards to remove the battery cover (Fig. 1 - 2).

2. Insert two AAA batteries (not included) into the battery compartment (Fig. 1 - 3). Follow the diagram inside of the battery compartment to place the batteries in the correct orientation.

3. Replace the battery cover (Fig. 1 - 2) and press into place.





NOTE: Always replace both batteries at the same time. Do not use different brands or types of batteries/rechargeable batteries together.


⚠ WARNING: Remove the batteries from the measuring device when not in use for long periods of time. The batteries can corrode and self-discharge when left in the device for a long period of time.

OPERATION

⚠ WARNING: Do not direct the laser beam at persons or animals. Do not stare into the direct or reflected laser beam, not even from a distance. Looking into the laser beam or directing the laser beam into someone's eyes can cause eye damage, blindness, and cause accidents.

TURNING ON/OFF

Turning ON: To turn your measuring device ON, you can either press the power button  or the measuring button .

Turning OFF: To turn your measuring device OFF, hold the power button  for 1-2 seconds then release it.

Automatic OFF: The device will automatically shut off after 3 minutes of inactivity to prolong battery life.

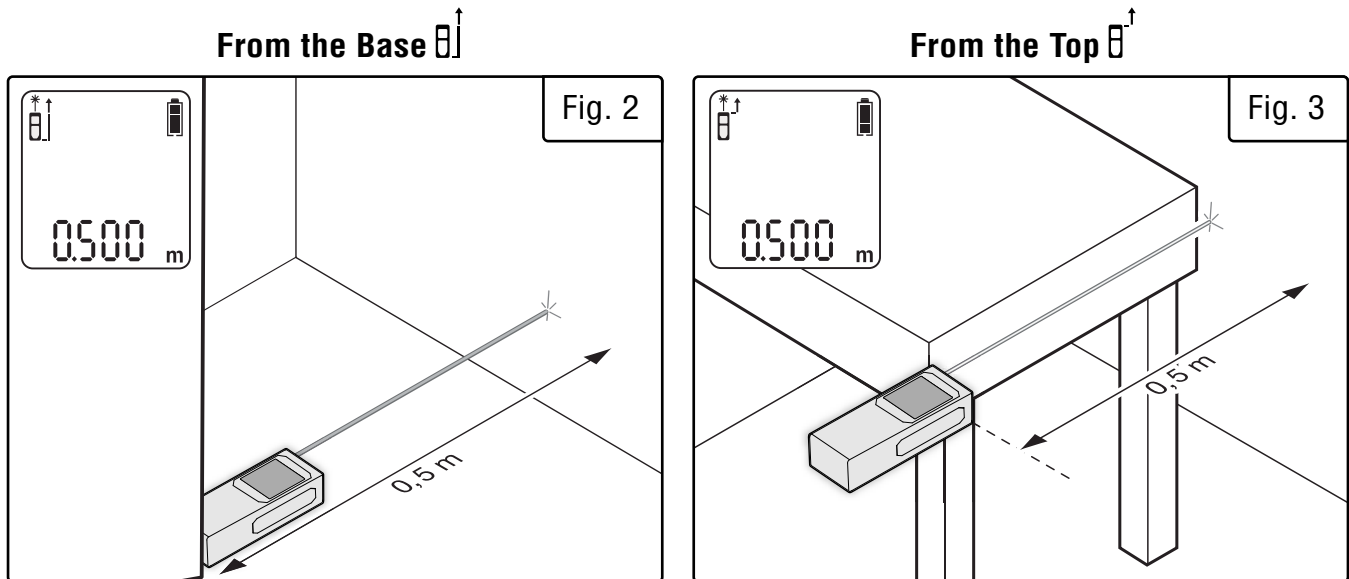
OPERATION

⚠ WARNING: Do not direct the laser beam at persons or animals. Do not stare into the direct or reflected laser beam, not even from a distance. Looking into the laser beam or directing the laser beam into someone's eyes can cause eye damage, blindness, and cause accidents.

SELECTING THE MEASURING REFERENCE POINT

You can set your measuring device to measure from either the base of the unit or from the top of the unit. See Figures 2 and 3 below to learn more about the two reference point options.

To change the reference point: While holding the mode button , press the power button  to switch between reference points.








UNIT SELECTION

You can use your device to measure in four different units. The available units are: meters (m), feet (ft), inches (in), and feet/inches (' ").

NOTE: The feet or inches units will give you measurements in decimals, whereas the feet/inches unit will give you measurements in a combination of whole feet and whole inches.

To switch between units: While holding the mode button , press the measurement button  until your desired unit is displayed on the screen.

CHANGING MODES

After powering your measuring device ON, the default mode is distance measurement . To switch to a different mode (distance  /area  /volume ) press the mode button . In the following sections, you can find more information about how to use each mode.




NOTE: The measurement value appears after a few seconds. The measurement will take longer to appear depending on the distance, light conditions, and reflective properties of the target surface. The end of the measurement is indicated by a tone. The laser beam automatically shuts off after the measurement is completed.

OPERATION

⚠ WARNING: Do not direct the laser beam at persons or animals. Do not stare into the direct or reflected laser beam, not even from a distance. Looking into the laser beam or directing the laser beam into someone's eyes can cause eye damage, blindness, and cause accidents.




MEASURING A DISTANCE

The distance measuring function is for measuring distances, lengths, heights, and clearances. This function is depicted by the arrow symbol \rightarrow .

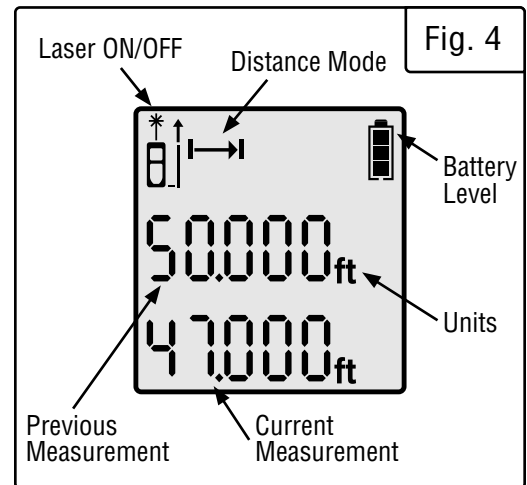
1. Make sure you are in distance measuring mode depicted by the arrow symbol \rightarrow . If you're in a different mode, press the mode button  until you see the arrow symbol on the screen.
2. Make sure to set your measuring device's reference point and units (see p. 8).
3. If the laser beam is not ON, press the measurement button  to activate the laser. You will see the laser icon * in the top left corner when the laser is activated. Aim the laser at the point of measurement.
4. Press the measurement button  again to take the measurement. The value will be seen on your display. Your screen will look like Fig. 4.

MEASURING AN AREA

The area measuring function is made for calculating the area of a rectangular space. This function is depicted by the area symbol \blacksquare .

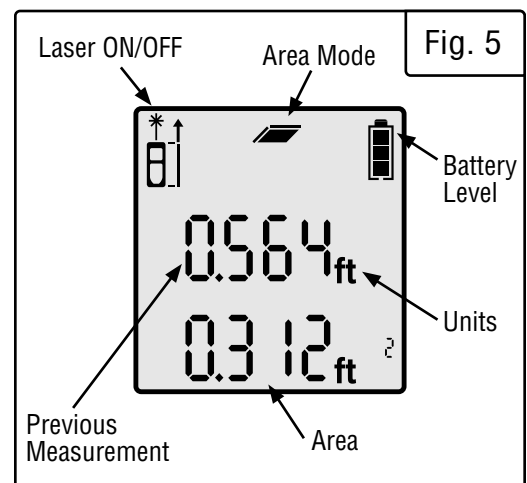
1. Make sure you are in area measuring mode depicted by the area symbol \blacksquare . If you're in a different mode, press the mode button  until you see the area symbol on the screen.
2. Make sure to set your measuring device's reference point and units (see p. 8).
3. If the laser beam is not ON, press the measurement button  to activate the laser. You will see the laser icon * in the top left corner when the laser is activated. Aim the laser to measure the length. Press the measurement button  again to take the measurement. The value will be seen on your display.
4. Repeat step 3 to measure the width. The area will automatically calculate after the second measurement is taken. The value of the width measurement will be seen on the top row of your screen and the area will be on the bottom. Your screen will look like Fig. 5.

NOTE: A line will appear on the edge of the area symbol to indicate which measurement you are recording.



NOTE: The laser will automatically shut off after 30 seconds of inactivity to prolong battery life and limit accidents.


NOTE: The bottom number on your display is the current measurement being recorded. If you take multiple measurements, the previous measurement moves to the top row.





OPERATION



⚠ WARNING: Do not direct the laser beam at persons or animals. Do not stare into the direct or reflected laser beam, not even from a distance. Looking into the laser beam or directing the laser beam into someone's eyes can cause eye damage, blindness, and cause accidents.

MEASURING VOLUME

The volume measuring function is made for measuring the volume of a rectangular prismatic space. This function is depicted by the cube symbol .

1. Make sure you are in volume measuring mode depicted by the cube symbol . If you're in a different mode, press the mode button  until you see the cube symbol on the screen.

2. Make sure to set your measuring device's reference point and units (see p. 8).



3. If the laser beam is not ON, press the measurement button  to activate the laser. You will see the laser icon * in the top left corner when the laser is activated. Aim the laser to measure the length. Press the measurement button  again to take the measurement. The value will be seen on your display.

4. Repeat step 3 two more times to measure the width, and height. The volume will automatically calculate after the third measurement is taken. The value of the last measurement will be seen on the top row of your screen and the volume will be on the bottom. Your screen will look like Fig. 6.


NOTE: A line will appear on the edge of the volume symbol to indicate which measurement you are recording.

CONTINUOUS MEASURING

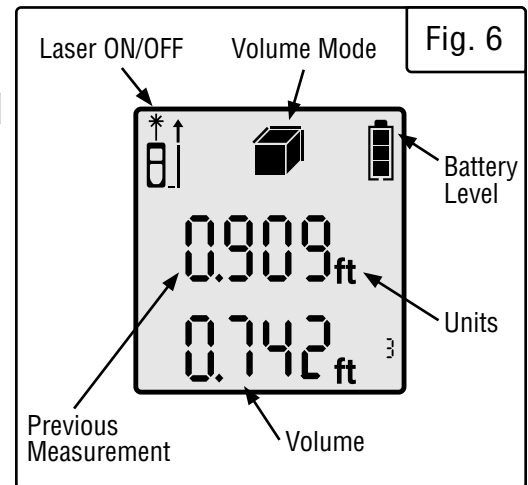
The continuous measuring setting allows you to move the device and receive updated measurements every few seconds.

1. Make sure you are in distance measuring mode depicted by the arrow symbol . If you're in a different mode, press the mode button  until you see the arrow symbol on the screen.

2. Make sure to set your measuring device's reference point and units (see p. 8).

3. Hold down the measurement button  for two seconds. You are now in continuous measuring mode. As the distance between the reference point and target point changes, the measurement will update on the screen and you will hear a tone. Press the measurement button to exit continuous measuring mode.

NOTE: The device will not save the measurements while you are in continuous measuring mode. The laser stays on the duration of the continuous measurement. DO NOT shine the laser towards people or animals.



NOTE: The laser will automatically shut off after 30 seconds of inactivity to prolong battery life and limit accidents.

NOTE: The bottom number on your display is the current measurement being recorded. If you take multiple measurements, the previous measurement moves to the top row.

MAINTENANCE

⚠ WARNING: To avoid accidents, turn OFF the laser before cleaning, adjusting, or performing any maintenance or lubrication work.

⚠ WARNING: Any attempt to repair or replace electrical parts on this device may be hazardous. Servicing of the device must be performed by a qualified technician. When servicing, use only identical WEN replacement parts. Use of other parts may be hazardous or induce product failure.

ROUTINE INSPECTION

Before each use, inspect the general condition of the device. If any of the following conditions exist, do not use until parts are replaced or the laser distance measure is properly repaired.

Check for:

- Loose hardware,
- Damaged batteries/electrical wiring,
- Cracked or broken parts, and
- Any other condition that may affect its safe operation

CLEANING & STORAGE

1. Wipe the device surfaces clean with a damp soft cloth. Make sure water does not get into the device. Do not use any other solvents or cleaning agents to clean the device.

2. Maintain the reception lens with the same care as required for eye glasses or the lens of a camera.

STORING THE DEVICE

Always store your power device in a dry place, frost-free location. To protect the battery from damage, do not store at temperatures lower than 14°F or higher than 104°F.

Remove the batteries before storing for an extended period of time.

DISPOSAL

When the product reaches the end of its lifetime, please do not dispose of it with household waste. Electrical and electronic products are hazardous to the environment and human health due to the presence of hazardous substances. Take the product to your local recycling facility for it to be responsibly recycled to minimize impacts on the environment.

Please recycle the packaging where facilities exist.

TROUBLESHOOTING GUIDE

⚠ WARNING: Repairs and replacements should only be performed by an authorized technician. For any questions, please contact our customer service at (800) 232-1195, M-F 8-5 CST or email us at techsupport@wenproducts.com.

ERROR CODE	CAUSE	SOLUTION
Err 10	1. The battery is too low.	1. Replace the batteries.
Err 15	1. The measuring point is out of range.	Choose a measuring point within range.
Err 16	1. Received signal is too weak.	1. Aim at a lighter-colored target surface (avoid black target surfaces) or hold the laser measure more steadily.
	2. Ambient light is too bright.	2. Use the measuring device at a dimmer time of day.
Err 18	1. The background is too bright.	1. Aim at a darker-colored target surface (avoid glass/reflective surfaces).
Err 26	1. Area or volume result is too large to be displayed on the screen.	1. Measure a smaller area, or record the measurements of length, height, and width to calculate the area or volume on your own.

GENERAL INFORMATION

1. The reception lens and the laser beam outlet must not be covered when taking a measurement.
2. You must hold the measuring device still while taking a measurement (except when you are using the continuous measurement function).
3. The measurement reported is the distance to the center of the laser dot, even if the target surface is angled.
4. Once you select your measuring reference point, align the base or top of the device as close to the beginning measuring point as possible.

INFLUENCES ON THE MEASURING RANGE

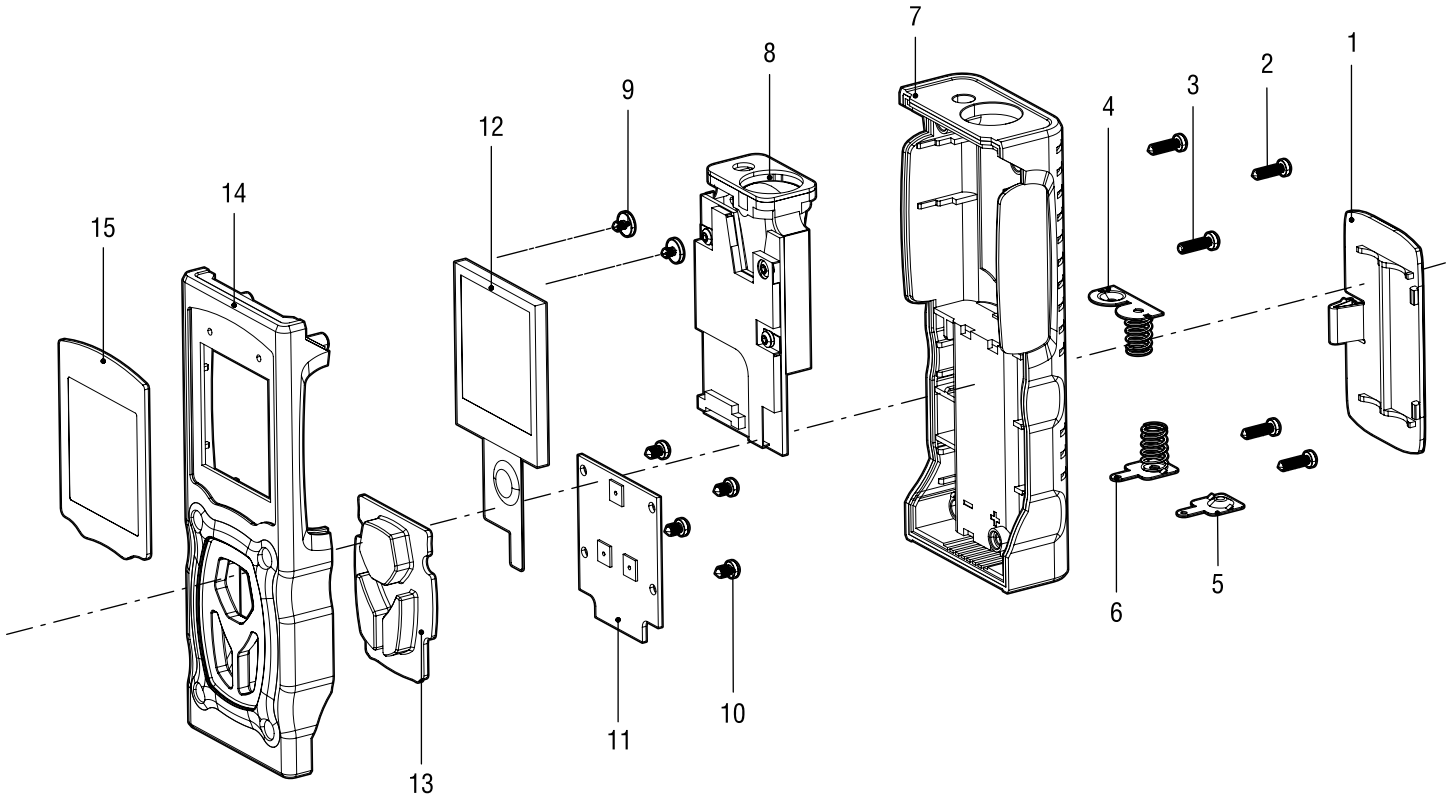
The measuring range is directly affected by the light conditions and reflective properties of the target surface. You may experience difficulties using the measuring device outdoors on a sunny day. While the indoor range for this device is 130 feet, the outdoor range is 16 feet.

INFLUENCES ON THE MEASURING RESULT

The physical properties of some materials result in inaccurate laser measurements. Results may be inaccurate when measuring on the following surfaces:

1. Transparent surfaces (water, glass, etc.)
2. Reflective surfaces (polished metal, mirrors, glass, etc.)
3. Porous surfaces (insulation materials, etc.)
4. Textured surfaces (stone, roughcast, etc.)

EXPLODED VIEW & PARTS LIST



No.	Part No.	Description	Qty.
1	10165-001	Battery Cover	1
2	10165-002	Self-Tapping Screw, Cross Head	4
3	10165-003	Self-Tapping Screw, Socket Head	1
4	10165-004	Large Battery Plate	1
5	10165-005	Positive Plate	1
6	10165-006	Negative Plate	1
7	10165-007	Back Cover	1

No.	Part No.	Description	Qty.
8	10165-008	Laser Module	1
9	10165-009	Screw	2
10	10165-010	Cross-Head Screw	4
11	10165-011	PCB	1
12	10165-012	Display Screen	1
13	10165-013	Button Pad	1
14	10165-014	Front Cover	1
15	10165-015	Panel Board	1

WARRANTY STATEMENT

WEN Products is committed to building tools that are dependable for years. Our warranties are consistent with this commitment and our dedication to quality.

LIMITED WARRANTY OF WEN PRODUCTS FOR HOME USE

GREAT LAKES TECHNOLOGIES, LLC (“Seller”) warrants to the original purchaser only, that all WEN consumer power tools will be free from defects in material or workmanship during personal use for a period of two (2) years from date of purchase or 500 hours of use; whichever comes first. Ninety days for all WEN products if the tool is used for professional or commercial use. Purchaser has 30 days from the date of purchase to report missing or damaged parts.

SELLER’S SOLE OBLIGATION AND YOUR EXCLUSIVE REMEDY under this Limited Warranty and, to the extent permitted by law, any warranty or condition implied by law, shall be the replacement of parts, without charge, which are defective in material or workmanship and which have not been subjected to misuse, alteration, careless handling, misrepair, abuse, neglect, normal wear and tear, improper maintenance, or other conditions adversely affecting the Product or the component of the Product, whether by accident or intentionally, by persons other than Seller. To make a claim under this Limited Warranty, you must make sure to keep a copy of your proof of purchase that clearly defines the Date of Purchase (month and year) and the Place of Purchase. Place of Purchase must be a direct vendor of Great Lakes Technologies, LLC. Purchasing through third party vendors, including but not limited to garage sales, pawn shops, resale shops, or any other secondhand merchant, voids the warranty included with this product. Contact techsupport@wenproducts.com or 1-800-232-1195 with the following information to make arrangements: your shipping address, phone number, serial number, required part numbers, and proof of purchase. Damaged or defective parts and products may need to be sent to WEN before the replacements can be shipped out.

Upon the confirmation of a WEN representative, your product may qualify for repairs and service work. When returning a product for warranty service, the shipping charges must be prepaid by the purchaser. The product must be shipped in its original container (or an equivalent), properly packed to withstand the hazards of shipment. The product must be fully insured with a copy of the proof of purchase enclosed. There must also be a description of the problem in order to help our repairs department diagnose and fix the issue. Repairs will be made and the product will be returned and shipped back to the purchaser at no charge for addresses within the contiguous United States.

THIS LIMITED WARRANTY DOES NOT APPLY TO ITEMS THAT WEAR OUT FROM REGULAR USAGE OVER TIME, INCLUDING BELTS, BRUSHES, BLADES, BATTERIES, ETC. ANY IMPLIED WARRANTIES SHALL BE LIMITED IN DURATION TO TWO (2) YEARS FROM DATE OF PURCHASE. SOME STATES IN THE U.S. AND SOME CANADIAN PROVINCES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

IN NO EVENT SHALL SELLER BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES (INCLUDING BUT NOT LIMITED TO LIABILITY FOR LOSS OF PROFITS) ARISING FROM THE SALE OR USE OF THIS PRODUCT. SOME STATES IN THE U.S. AND SOME CANADIAN PROVINCES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE IN THE U.S., PROVINCE TO PROVINCE IN CANADA AND FROM COUNTRY TO COUNTRY.

THIS LIMITED WARRANTY APPLIES ONLY TO ITEMS SOLD WITHIN THE UNITED STATES OF AMERICA, CANADA AND THE COMMONWEALTH OF PUERTO RICO. FOR WARRANTY COVERAGE WITHIN OTHER COUNTRIES, CONTACT THE WEN CUSTOMER SUPPORT LINE. FOR WARRANTY PARTS OR PRODUCTS REPAIRED UNDER WARRANTY SHIPPING TO ADDRESSES OUTSIDE OF THE CONTIGUOUS UNITED STATES, ADDITIONAL SHIPPING CHARGES MAY APPLY.

**THANKS FOR
REMEMBERING**

