

Owner's Manual & Safety Instructions

Save This Manual Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

17k

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67802

Ultrasonic Distance Meter with Laser Pointer



Visit our website at: <http://www.harborfreight.com>
Email our technical support at: productsupport@harborfreight.com

When unpacking, make sure that the product is intact and undamaged. If any parts are missing or broken, please call 1-888-866-5797 as soon as possible.

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⚠ WARNING

**Read this material before using this product.
Failure to do so can result in serious injury.
SAVE THIS MANUAL.**

Specifications

Working Range	32'
Accuracy	±2%
Battery	1x 9V

Product Label

AVOID EXPOSURE 
Laser light is emitted from this aperture.

RANGE FINDER **67802**

CAUTION

LASER LIGHT
DO NOT STARE INTO BEAM

 **Max. Output: 3-5mW, Wavelength: 650-670nm**
CLASS II LASER PRODUCT

This product complies with 21 CFR 1040.10 and 1040.11
Distributed by Harbor Freight Tools
3491 Mission Oaks Blvd. Camarillo, CA 93011 **67802**
Manufacture Date: _____, _____

Important Safety Information

1. Never attach or use any other form of optical device with this product. Use as intended only.
2. Do not modify in any way as this may result in hazardous radiation exposure.
3. This product is not a toy. Do not allow children to play with or near this item.
4. Inspect before every use; do not use if parts are loose or damaged.
5. Maintain product labels and nameplates. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.

Battery Installation / Replacement

Before first use or if the Battery Indicator shows empty, then replace the battery:

1. Slide the Battery Cover down and off the back of the Meter.
2. Remove the old connected Battery.
3. Disconnect the old Battery. Dispose of it properly or recharge if rechargeable.
4. Reconnect new 9V Battery. It will properly attach only one way.
5. Insert connected Battery into compartment.
6. Slide the Battery Cover closed.

Components

- Laser Opening:**
Laser light comes from this opening during use. Point away from eyes.
- Sensor:**
This measures the location aimed at with the laser. Do not cover during use.
- Display:**



Figure A: Components

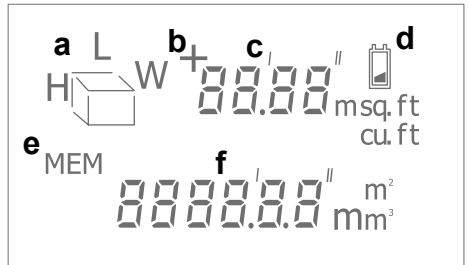


Figure B: Display

- Area/Volume:**
Shows whether area or volume is being measured, and what part is being measured (Length, Width, or Height).
- Addition:**
A + here means that the next measurement will be added to the current one.
- Current Result:**
The distance last measured or currently being measured.
- Battery Indicator:**
The estimated battery charge level. See “**Battery Installation / Replacement**” on page 3.
- Memory:**
MEM means a measurement is stored in memory.
- Total Result:**
Total area, volume, or result of addition.

4. **Buttons:**

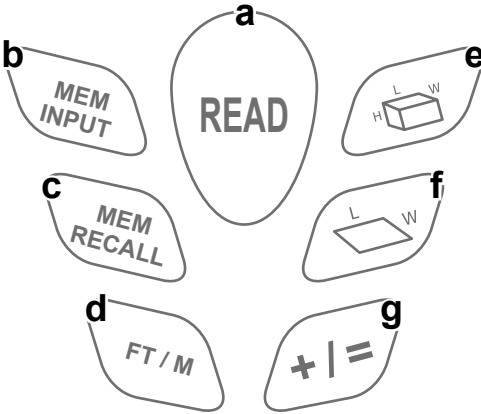




Figure C: Buttons

- a. **Read:**
Takes a measurement.
- b. **MEM Input:**
Stores current measurement to memory.
- c. **MEM Recall:**
Displays stored measurement from memory, then clears it from memory.
- d. **FT / M:**
Toggles between foot and meter units of measure.

e. 
Volume calculation mode.

f. 
Area calculation mode.

g. **+ / =**
Toggles addition mode.

5. **Measurement Base:**

Rest this base against the surface you want to measure from before taking a measurement.

Instructions



Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this document before set up or use of this product.

Distance Measurement

1. Place measurement base against object to measure from.
2. Point at target and press **READ**. Laser will show only while **READ** is pressed.
3. For a continuous measurement, press and hold **READ** while moving.
4. Each measurement erases the previous one.
5. Measured distance is displayed as Current Result at top of the Display.
6. Unit automatically turns off after 30 seconds of inactivity.
7. **TIPS:**
 - There must be no objects in the measurement path.
 - For accuracy, choose a target that is flat and large with hard surfaces or put a piece of cardboard in front of the target.
 - The meter will only measure up to glass, but not through it.

Addition

Note: Addition can be used for distance, area, or volume measurements.

However, those measurements are different units (for example, feet, square feet, and cubic feet) and **cannot be added together**.

1. Take first measurement as explained under “**Distance Measurement**”.
2. Press **+ / =** button. A **+** will appear above and to the left of the Current Result.
3. Take another measurement as explained under “**Distance Measurement**”.
4. Press **+ / =** button again. Combined measurement is displayed as Total Result at the bottom of the display.
5. **Steps 3 and 4** can be repeated to add more measurements.





Memory

Note: Memory can be used for distance, area, or volume measurements.

1. Press **MEM INPUT** to store displayed Total Result in memory. If only a Current Result is displayed, it will be stored instead. **MEM** will appear on Display.
2. Press **MEM RECALL** later to display stored memory and clear it. **MEM** will disappear from Display.
3. **MEM RECALL** can be used in **steps 1 or 3** of “**Addition**” instead of taking new measurements.

Area/Volume Calculation

Note: Area/volume calculation cannot be exited before calculation is complete.

1. Press  button to enter area calculation mode or press  button to enter volume calculation mode.
2. The **L** will blink. Take measurement for length as explained under “**Distance Measurement**”.
3. Then, the **W** will blink. Take measurement for width as explained under “**Distance Measurement**”.
4. **For area calculation**, the **H** will blink. Take measurement for height as explained under “**Distance Measurement**”.
5. The area/volume is displayed as Total Result at the bottom of the display.
6. The Current Result will display the last measurement taken. Press **READ** briefly to cycle through the measurements taken.
7. Press  or  button to take another area or volume calculation.
8. Press and hold **READ** button for a few seconds to exit area/volume calculation.

Record Serial Number Here:

Note: If product has no serial number, record month and year of purchase instead.

Note: Replacement parts are not available for this item.

Limited 90 Day Warranty

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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