

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

AMESTM

I N S T R U M E N T S

LASER DISTANCE METER



64001

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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No portion of this manual or any artwork contained herein may be reproduced in any shape or form without the express written consent of Harbor Freight Tools. Diagrams within this manual may not be drawn proportionally. Due to continuing improvements, actual product may differ slightly from the product described herein. Tools required for assembly and service may not be included.

⚠WARNING






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

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WARNING SYMBOLS AND DEFINITIONS

	<p>This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.</p>
	<p>Indicates a hazardous situation which, if not avoided, will result in death or serious injury.</p>
	<p>Indicates a hazardous situation which, if not avoided, could result in death or serious injury.</p>
	<p>Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.</p>
	<p>Addresses practices not related to personal injury.</p>

SAFETY

SETUP

OPERATION

MAINTENANCE

IMPORTANT SAFETY INFORMATION

Safety Warnings and Precautions

⚠️ 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.

Save all warnings and instructions for future reference.

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. Power this Meter using only the batteries referenced in the Specifications Chart.
6. Stay alert. Watch what you are doing, use common sense. Do not operate any meter when you are tired.
7. Do not operate Meter if under the influence of alcohol or drugs. Read warning labels on prescriptions to determine if your judgment or reflexes are impaired while taking drugs. If there is any doubt, do not operate the meter.
8. Do not look into laser. Do not point laser at persons or animals directly or indirectly off of reflective surfaces.
9. Avoid damaging Meter. Use only as specified in this manual.
10. Performance of this Meter may vary depending on battery condition.
11. Maintain product labels and nameplates. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.
12. Do not attempt to charge battery.
13. Do not reverse the polarity of the battery when installing.
14. Have the Meter calibrated by a qualified technician every year to maintain accurate results.
15. The warnings, cautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.



SAVE THESE INSTRUCTIONS.

Specifications

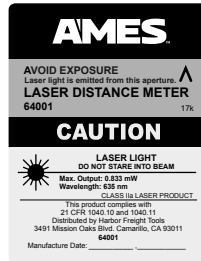
SAFETY

Working Range	0.2" - 100' (0.05-30.5m)
Measurement Units	Meters (m), Inches (in), Feet (ft), Feet + Inches (' ")
Accuracy	± 0.08" (2mm)
Battery	2x AAA
Working Temperature	14°F - 104°F (-10°C - 40°C)
Storage Temperature	-4°F - 140°F (-20°C - 60°C)
Operating Environment	Indoor (recommended)

SETUP

Note: When using Meter in or around bright solar light, or on rough or poorly reflective measurement surfaces, use a target such as a white wall or sheet of paper to avoid measurement error.

OPERATION



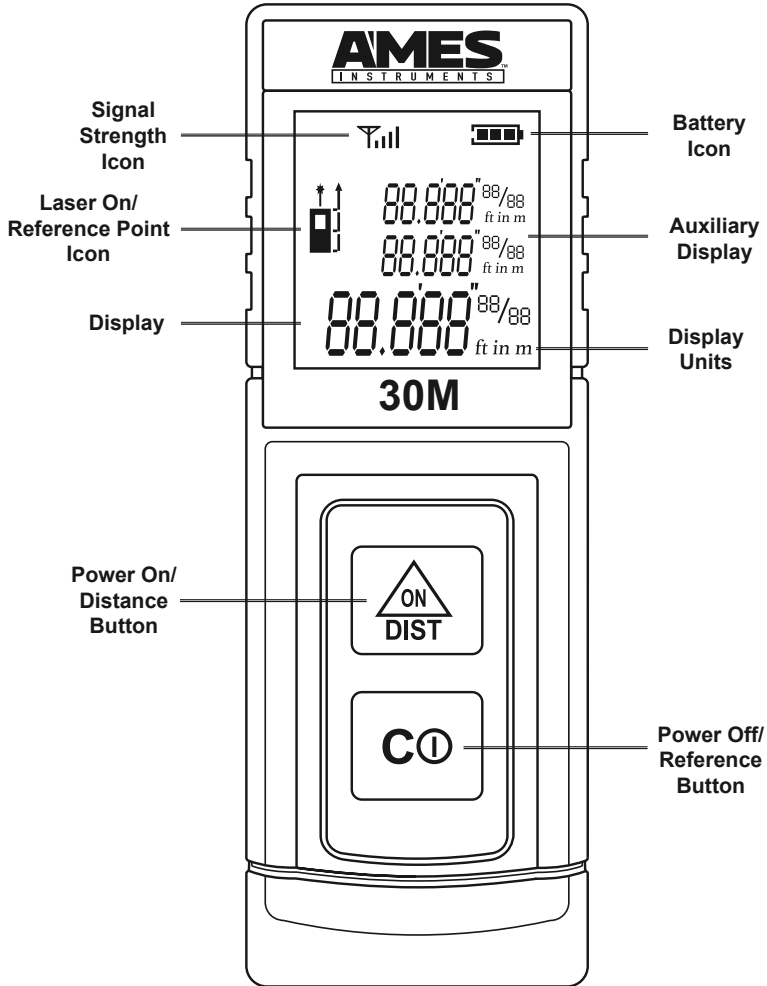
MAINTENANCE

Setup - Before Use:



Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

Functions



Operating Instructions




Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

General Operating Instructions

Powering Meter On and Off

1. Press  to power Meter on.
2. Hold **C** to power Meter off.

Selecting Units

Press  and **C** at the same time to switch between measurement units.

Selecting Reference Point




Press **C** to change laser reference point between front, center, and rear of Meter.

Auto Power-Off




If Meter is not used for approximately 5 minutes, it will automatically power off to preserve battery power.

Measurement Operation

Single Measurement Mode

1. Press  to power Meter on. Meter automatically enters single measurement mode.
2. Press  again to turn laser on. Laser On Icon flashes on Display.
3. Aim laser at target to be measured.
4. Press  again to begin measuring.
5. Read measured distance on Display.
6. Repeat steps to take additional measurements. Up to two previous measurements are held on the Auxiliary Display until Meter is powered off.

Continuous Measurement Mode

1. Press  to power Meter on.
2. Hold  for a few seconds to begin continuous measurement.
3. Move laser between two points to be measured and read measurement from Display as it changes.
4. Press  again to stop measurement and turn laser off.

Error Messages

The following error messages may appear on the Display during operation:

Error Code	Cause	Solution
ERR01	The reflected laser signal is too strong.	Change target or affix a white sheet of paper to target.
ERR02	The distance to be measured falls outside the measuring range for this device.	Measure within the effective measuring range (0.16' ~ 98.43').
ERR03	The reflected laser signal is too weak.	Change target or affix a white sheet of paper to target.
ERR06	Low battery.	Replace battery. See "Battery Replacement" on page 7below.

Maintenance and Servicing




Procedures not specifically explained in this manual must be performed only by a qualified technician.

Cleaning, Maintenance, and Lubrication

1. Wipe unit with a dry, lint-free cloth. Do not use solvents or abrasives.
2. Remove battery if not in use for long periods.
3. Store unit in a dry location.
4. Other than the battery, there are no replaceable parts on this unit. **Repairs should be done by a qualified technician.**

Battery Replacement

If the  sign appears on the Display or the unit will not turn on, the battery should be replaced.

1. Turn the unit over.
2. Remove battery cover carefully.
3. Pull batteries out of unit and replace with same.
4. Replace cover and retighten screw.

Note: Do not reverse the polarity of the batteries.

Calibration

Have the Meter calibrated by a qualified technician every year.

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.

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.

