

# 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.

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# PITTSBURGH<sup>®</sup>

63647

## Digital Micrometer



Visit our website at: <http://www.harborfreight.com>  
Email our technical support at: [productsupport@harborfreight.com](mailto: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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# IMPORTANT SAFETY INFORMATION

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## General Safety Rules



**WARNING** Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in injury. Save all warnings and instructions for future reference.

1. **Work area safety**
  - a. **Keep work area clean and well lit.** *Cluttered or dark areas invite accidents.*
  - b. **Keep children and bystanders away while operating.** *Distractions can cause you to lose control.*
2. **Personal safety**
  - a. **Stay alert, watch what you are doing and use common sense when operating a tool. Do not use while you are tired or under the influence of drugs, alcohol or medication.** *A moment of inattention while operating tools may result in serious personal injury.*
  - b. **Use personal protective equipment. Always wear ANSI-approved eye protection.** *Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.*
  - c. **Do not overreach. Keep proper footing and balance at all times.** *This enables better control of the power tool in unexpected situations.*

3. **Tool use and care**
  - a. **Do not force the tool. Use the correct tool for your application.** *The correct tool will do the job better and safer at the rate for which it was designed.*
  - b. **Maintain tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the tool's operation. If damaged, have the tool repaired before use.** *Many accidents are caused by poorly maintained tools.*

## Safety Warnings

1. Maintain labels and nameplates on the tool. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.
2. This product is not a toy. Keep it out of reach of children.
3. The warnings, precautions, 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

Battery Requirements	3V (CR-2032) Lithium Battery Included
Capacity	0.00000 ~ 1.00000" 0.000mm ~ 25.000mm
Accuracy	0.001mm / 0.00005" Resolution 0.004mm / 0.00015" Indicated Error

## 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.

1. Use a clean, lint-free cloth to clean the Anvil of the Micrometer and the object being measured.
2. Turn on. Choose inch or mm. To switch from inches to millimeters, hold the ABS-in/mm button for five seconds to change from one to other.

**Note.** When the ABS-in/mm button is pressed, the display automatically resets to zero and takes measurements from whatever the previous position was.

3. Rotating the Thimble counterclockwise, open the Anvil until it is wider than the object to be measured.

4. Place the Anvil around the object and turn the Thimble clockwise until the Anvil just touches the object.
  5. Turn the Ratchet Stop clockwise to close the Anvil on the object being measured until it clicks. To avoid damage to either the Micrometer or the workpiece, only use the Ratchet Stop to close the Anvil of the Micrometer on the object.
  6. Turn the Thimble Lock clockwise to lock the measurement and carefully withdraw the Micrometer from the object.
  7. This Micrometer measures items in hundred thousandths of an Inch. View the Display to see the results.
  8. To reset to zero, hold the ON/OFF/SET button for five seconds.
- Note.** This is a delicate instrument. The Micrometer should be handled carefully. Dropping this product could damage it, and may effect accuracy.
9. To prevent accidents, turn off the tool after use. Clean, then store the tool indoors out of children's reach.

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## **CHANGING THE BATTERY**

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1. Use a flat head screwdriver to remove the cap on the back of the Micrometer.
2. Remove the old battery.
3. Put a CR-2032 size battery into the compartment with the Positive side facing upward.
4. Screw the battery cap back on.
5. **NOTE:** No replacement parts are available for this product.

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## **LIMITED 90 DAY WARRANTY**

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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 Product's Serial Number Here:** \_\_\_\_\_

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

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