

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.

25b

PITTSBURGH[®]

12" Digital Caliper



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

58231

When unpacking, make sure that the product is intact and undamaged. If any parts are missing or broken, please call 1-800-444-3353 as soon as possible.

⚠ WARNING

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

Specifications

Display Units	Inches & Millimeters
Accuracy	$\pm 0.001"$ (0.03mm)
Display	0.0005" (0.01mm)
Power Supply	1.5V LR44 (Included)

Important Safety Information

1. Wear ANSI-approved safety goggles during use.
2. Keep work area clean and well lit.
3. Do not operate when tired or when under the influence of alcohol, drugs or medication.
4. Use as intended only.
5. Inspect before every use; do not use if parts are loose or damaged.
6. Maintain product labels and nameplates. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.

⚠ WARNING

- **INGESTION HAZARD:** This product contains a button cell or coin battery.
- **DEATH** or serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause **Internal Chemical Burns** in as little as **2 hours**.
- **KEEP** new and used batteries **OUT OF REACH OF CHILDREN**
- **Seek immediate medical attention** if a battery is suspected to be swallowed or inserted inside any part of the body.



Button/Coin Battery Warnings

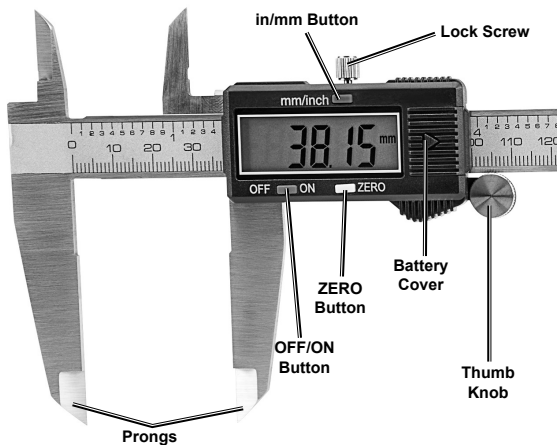


This symbol means:

INGESTION HAZARD: This product contains a button cell or coin battery.

1. Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate.
2. Even used batteries may cause severe injury or death.
3. Call a local poison control center for treatment information.
4. Non-rechargeable batteries are not to be recharged.
5. Do not force discharge, recharge, disassemble, heat above 158°F or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.
6. Ensure the batteries are installed correctly according to polarity (+ and -).
7. Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries.
8. Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations.
9. Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.

Components and Controls



Instructions

1. Push the OFF ON button to turn caliper on.
2. To toggle measurement between inches and millimeters, press in/mm button.
3. With jaws closed, press ZERO to set readout to 0.
4. To measure outside of object, set the bottom prongs outside object being measured. Slide the jaws together until they gently contact the item.
5. To measure inside of object, set the top prongs inside object being measured. Spread prongs apart until they touch surface of object.
6. Press OFF ON button to turn Caliper off. Caliper also has an automatic OFF function.
7. Incorrect function of Caliper may indicate low battery. Follow Battery Removal and Replacement instructions on page 8.

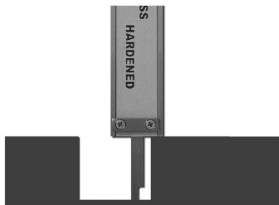
Note: Replacement parts are not available.



Outside Measurement



Inside Measurement



Depth Measurement



Step Measurement

Maintenance and Servicing



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

Cleaning and Maintenance

1. Keep body face clean. Prevent liquid from getting into slider.
2. Face should be cleaned with a clean, dry, lint-free cloth.
3. Lubricate body with a few drops of clock oil.
4. Keep battery compartment clean and free of corrosion.


Note: Do not clean with acetone or alcohol.

Battery Removal and Replacement

1. Open battery compartment to right of display.
2. Remove battery.
3. Install new LR44 battery positive (flat) side up, and slide Battery Cover back into place.
4. Keep batteries out of reach of children. Keep batteries in original package until ready to use. Discard used batteries immediately. Do not allow children to play with devices containing batteries.

Troubleshooting

Problem	Possible Causes	Possible Solutions
Every second 5 digits jump simultaneously.	Low Battery.	Replace Battery.
Display cannot count.	Faulty Circuit.	Remove Battery, wait 30 seconds, and replace Battery.
Display shows 000.00 or IN 00.000	Function button springs misaligned.	Have qualified technician service Caliper.
Reading error for full length is ≥ 0.1 mm	Sensor may be obstructed.	Have qualified technician service Caliper.
No display on LCD screen.	<ol style="list-style-type: none">1. Poor battery contact.2. Low Battery.	<ol style="list-style-type: none">1. Remove Battery from Compartment. Clean Battery Compartment and replace Battery.2. Replace Battery.

 **Follow all safety precautions whenever diagnosing or servicing the tool. Remove battery before service.**

Parts List and Diagram

PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER NOR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

Parts List

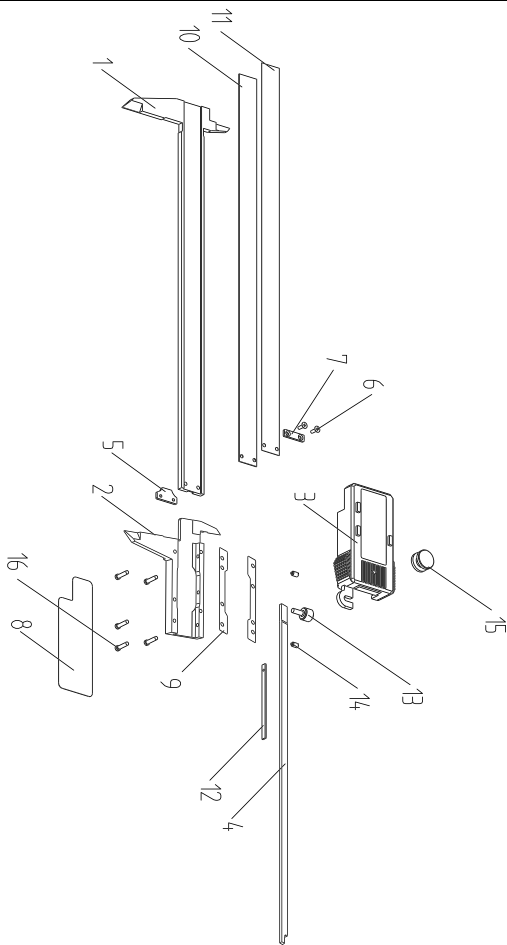
Part	Description	Qty.
1	Beam	1
2	Slide	1
3	LCD Display	1
4	Depth Measure	1
5	Down Baffle	1
6	Screw	2
7	Top Baffle	1
8	Back Label	1
9	Underlay	2
10	Sensor Plant	1
11	Scale	1
12	Reed	1
13	Screw	1
14	Pin	2
15	Roller Wheel	1
16	Screw	5

Record Product's Serial Number Here: _____

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

Note: Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts. Specify UPC 193175498052 when ordering parts.

Assembly Diagram



Limited Lifetime Warranty

Harbor Freight Tools warrants to the original purchaser that this Pittsburgh® product shall be free from defects in materials and workmanship for its useful life.

If your Pittsburgh® product does not perform in accordance with this warranty, Harbor Freight Tools will, at its option and expense, repair or replace (or elect to refund the purchase price if we cannot repair or replace), your Pittsburgh® product, which shall be your sole and exclusive remedy. To obtain warranty service, Pittsburgh® products must be returned with proof of purchase to a Harbor Freight Tools retail store or returned by mail after contacting Harbor Freight Tools Product Support at 1-800-444-3353 and receiving a return authorization.

This warranty excludes normal wear and tear and does not apply to damage due directly or indirectly to misuse, use or operation other than for the intended purpose or not in accordance with the product manual, abuse, accident, modification or alteration, unauthorized repair, improper storage, neglect, or lack of maintenance. This warranty is in lieu of all other warranties. Harbor Freight Tools is not liable for incidental, indirect, special, consequential, or punitive damages or costs arising from the use of this product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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