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WEN 10767D Digital Dial Caliper Instruction Manual

WEN 10767D Digital Dial Caliper

NEED HELP? CONTACT US!

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

- 1-**847-429-9263** (M-F 8 AM-5 PM 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 with 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**

To purchase accessories and replacement parts for your tool, visit **WENPRODUCTS.COM**

Replacement Charging Cable (Part 10767D-001)

INTRODUCTION

Thanks for purchasing the WEN Digital Dial Caliper. 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- **847-429-**

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	10767D
Measuring Range	0 – 6 in. (0 – 150mm)
Resolution	0.01mm / 0.0005 in. / 1/128 in.
Power	Rechargeable Lithium-Ion Battery
Maximum Humidity	Unlimited
Operating Temperature	32 – 104°F (0 – 40°C)
Storage Temperature	14 – 140°F (-10 – 60°C)
IP Rating	67

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 atmo-spheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ig-nite 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 elec-tric shock.

PERSONAL SAFETY

1. Stay alert, watch what you are doing and use com-mon 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 inatten-tion while operating power tools may result in serious personal injury.

2. Use personal protective equipment. Always wear eye protection. Protective equipment such as a respira-tory 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 jew-elry. Keep your hair and clothing away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.

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 us-ers.

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 opera-tion. 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 main-tained 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 ac-count the working conditions and the work to be per-formed. Use of the power tool for operations different from those intended could result in a hazardous situa-tion.

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 main-tained.

   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 Califor-nia 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.

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

DIGITAL DIAL CALIPER SAFETY WARNINGS

⚠ **WARNING**! Do not operate the power tool until you have read and understood the following instructions and the warning labels.

BATTERY AND CHARGER SAFETY

1. Only use the tool with the battery pack specified by the manufacturer. The lithium-ion battery is preinstalled inside the tool. Replacement of batteries must be per-formed ONLY by a qualified service technician using identical replacement parts.

2. Only recharge the battery with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create undesirable may create risks, including but not limited to fire and death, when used with another battery pack. Do not use the supplied battery charger to charge other cordless tools.

3. Do not expose the battery pack or the charger to damp environments such as water or rain.

4. Do not keep battery tool or changer near fire, sources of heat, or use in direct sunlight.

5. Do not operate the charger or the battery if it has re-ceived a sharp blow, either from being dropped or dam-aged. Take it to a qualified service technician before at-tempting to use.

6. Do not attempt to disassemble the charger or the bat-tery pack. Take them to a qualified service technician

when service or repairs are required. Incorrect assembly may result in electric shock or fire.

CHARGER-SPECIFIC SAFETY

1. Protect the battery charger cord from damage. Keep the charger cord away from heat, oil and sharp edges. Do not operate the charger with a damaged cord or plug.
2. Electrical plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with grounded appliances. Unmodified plugs and matching outlets will reduce the risk of electric shock.
3. Only connect the charger to a dedicated USB power receptacle with a power output of 5V, 1A.
4. To reduce the risk of electric shock, unplug the char-ger cord from the USB port before attempting any main-tenance or cleaning.
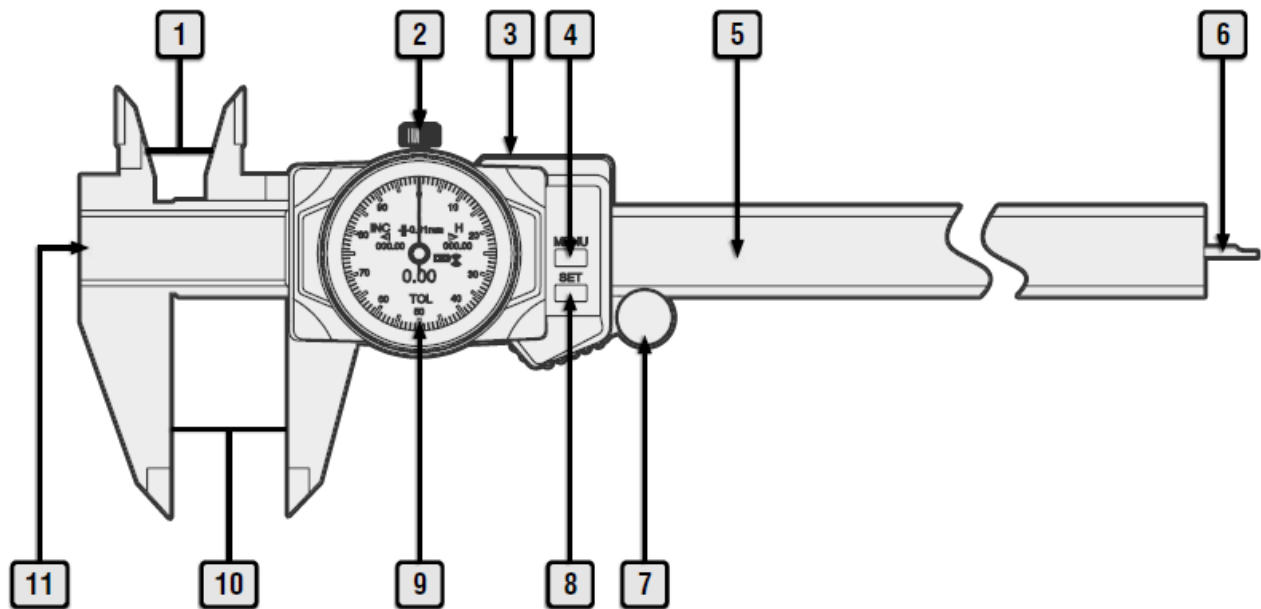
BATTERY-SPECIFIC SAFETY

(A li-ion battery pack is pre-installed inside the tool)

1. Do not short the battery pack. Do not touch the ter-minals with any conductive material. Avoid storing the battery pack in a container with other metal objects such as nails, coins, etc. Always protect the battery terminals when the battery pack is not in use. Shorting the battery terminals together may cause burns or fire.
2. Do not use batteries that have suffered curvature or deformation during the charging process or those that exhibit other atypical symptoms (gassing, hissing, cracking, etc.).
3. Do not incinerate the battery pack. The battery pack can explode in a fire and pose a threat to anyone in the immediate area.
4. Under abusive conditions, liquid may be ejected from the battery. Avoid contact with this liquid like you would a fire or an ex-lover. If contact accidentally occurs, flush the contact area with water. If the liquid contacts your eyes, flush with water for 10 minutes and then seek medical help. Liquid ejected from the battery may cause irritation or burns.
5. Never use or charge a battery pack if you suspect that it has been more than 12 months since the last time it was charged. There is a high probability that the battery pack has already suffered dangerous damage (exhaus-tive discharge).
6. If the tool operating time has become excessively short, stop operating the tool immediately. The battery may have been damaged, and could possibly result in overheating, burning, or even an explosion.
7. When disposing of the battery, remove the battery pack from the tool housing and cover the battery con-nections with electrical tape to prevent short circuit and energy discharge.

KNOW YOUR DIGITAL DIAL CALIPER

TOOL PURPOSE Easily measure every single part of a workpiece with your WEN Digital Dial Caliper. Refer to the following diagrams to become familiarized with all the parts and controls of your caliper. The components will be referred to later in the manual for assembly and operation instructions.

1. Internal Jaws
2. Slider Locking Knob
3. Charging Port
4. Menu Button
5. Scale
6. Depth Measuring Tip
7. Slider Adjustment Knob
8. Set Button
9. LCD Display
10. External Jaws
11. Step Measuring Face

OPERATION

NOTE: Fully charge the calipers using the included USB cable before the first use.

SET BUTTON

- Press the SET button once to turn the display ON. The caliper will automatically show the home screen.
- From the home screen, press the SET button to zero out the measurement function.
- Press and hold the SET button to turn the display OFF.

NOTE: Only one of the following functions (INC, HOLD, or TOL) can be used at a time.

INC FUNCTION (INCREMENTAL)

When this setting is turned ON, the current caliper posi-tion will be set as zero. When the calipers are moved, the display screen will show the amount of difference from the zero point.

- From the home screen, press the SET button to enter the INC mode and set the caliper to 0 at the current posi-

tion. "INC" will appear on the display.

- Once you've finished your measuring, Press the SET button again to return to the normal measurement function.

TOL FUNCTION (TOLERANCE)

When this setting is turned ON, the display will show if a measurement is within the set tolerance or not.

- From the home screen, press the SET button to enter / exit the TOL measurement mode. TOL will appear on the home screen.
- Press and hold the MENU button to activate the toler-ance limit number. The active digit will be highlighted in red. Press the MENU button once to change the digit (0 – 9).
- Once you've set the digit, press the MENU button twice quickly to move to the next digit. After setting all of the digits, press and hold the MENU button to exit the TOL limit setting.
- If the measurement data is within the tolerance range, the display will be green. If the data is outside the range, it will be highlighted in red.

NOTE: The caliper only checks if the measurement taken is within the specified tolerance range. We recommend setting the lower tolerance value on the left, and the up-per value on the right.

HOLD FUNCTION

When this setting is turned ON, the display will hold the current measurement, regardless of the actual position of the calipers.

- 1. From the home screen, press the SET button to lock /unlock the displayed number or pointer. "H" will appear on the display when the measurement is locked.
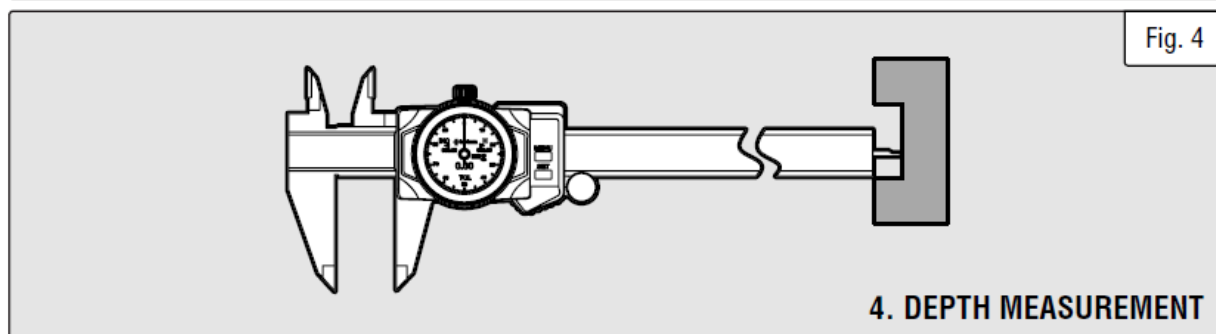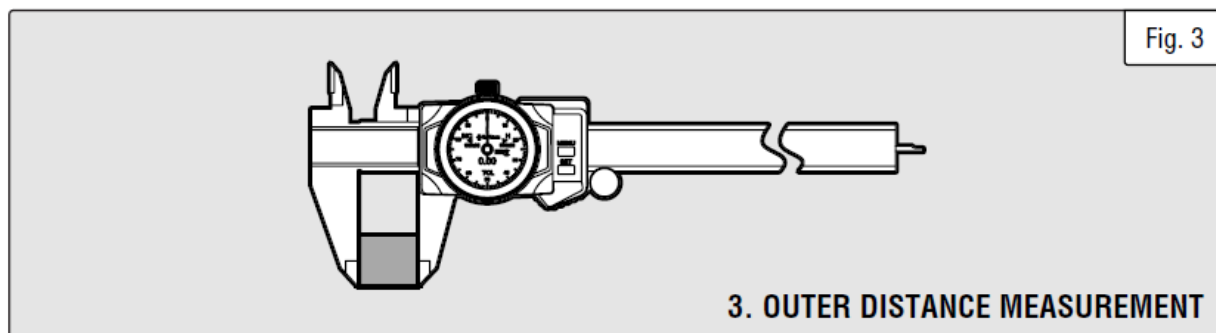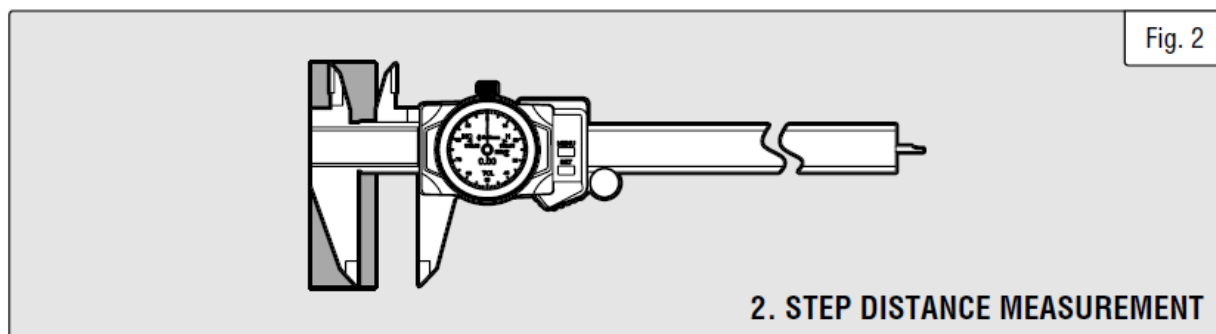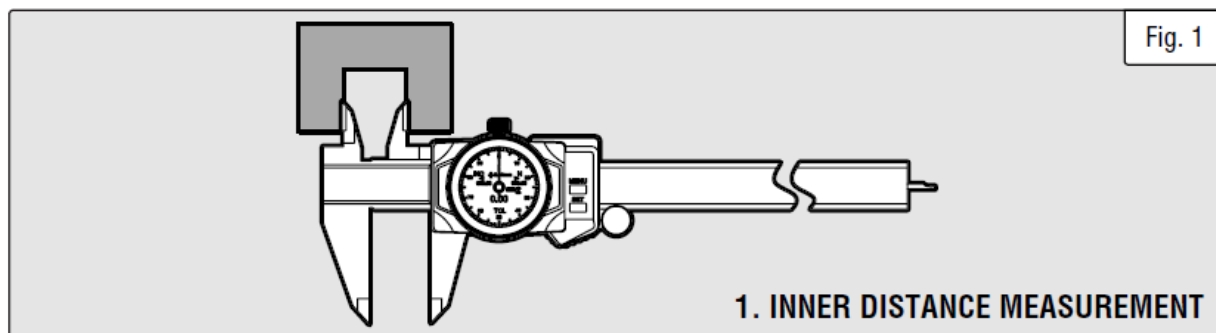
MENU BUTTON

- 1. Press the MENU button to enter the menu screen. Press MENU again to switch between settings.
  - **Measurement Unit Setting:** Press the SET button to switch the unit of measurement. (0.01mm / 0.0005 in. / 1/128 in.)
  - **Screen Brightness Setting:** Press the SET button to switch the brightness level. (Bright / Night / Normal)
  - **Screen Sleep Time Interval:** Press the SET but-ton to switch the sleep time interval. (15S / 30S / 1 MIN / 2 MIN / 5 MIN / 10 MIN)
  - **INC Function:** Press the SET button to turn the INC function ON / OFF.
  - **HOLD Function:** Press the SET button to turn the HOLD function ON / OFF.
  - **TOL Function:** Press the SET button to turn the TOL function ON / OFF.
  - **Display Panel Style Selection:** Press the SET button to toggle between the two display styles. (Interface 0: Pointer / Interface 1: Digital)

NOTE: At any point when navigating the menu, press and hold the MENU button to save the current settings and return to the home screen.

FOUR WAY MEASUREMENT

NOTE: When taking measurements, do not touch the measuring faces of the caliper. The small amount of oil on your hands can affect the accuracy of your readings.

Fig. 1

1. INNER DISTANCE MEASUREMENT

Fig. 2

2. STEP DISTANCE MEASUREMENT

Fig. 3

3. OUTER DISTANCE MEASUREMENT

Fig. 4

4. DEPTH MEASUREMENT

MAINTENANCE

⚠️ **WARNING!** Any attempt to repair or replace electrical parts on this tool may be hazardous. Servicing of the tool 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 tool. If any of these following conditions exist, do not use until parts are replaced.

Check for:

- Loose hardware
- Damaged cord
- Cracked or broken parts
- Any other condition that may affect its safe operation

CLEANING

After each use, wipe clean the caliper with a soft cloth. DO NOT use any type of solvent. DO NOT immerse the caliper in liquid. Water damage may cause the display to fail. Wipe off the liquid and make sure the area between the slider and the beam has completely dried out.

If the tool fails to work, please contact our customer service at 1- **847-429-9263**, M-F 8-5 CST or email us at **techsupport@wenproducts.com**.

CAUTION: Most plastics are susceptible to damage from various types of commercial solvents. Do not use any solvents or cleaning products that could damage the plastic parts. Some of these include but are not limited to: gasoline, carbon tetrachloride, chlorinated cleaning solvents, and household detergents that contain ammonia.

PRODUCT DISPOSAL

Used power tools should not be disposed of together with household waste. This product contains electronic components that should be recycled. Please take this product to your local electronics recycling facility for responsible disposal and to minimize its environmental impact.

TROUBLESHOOTING GUIDE

⚠ **WARNING!** Stop using the tool immediately if any of the following problems occur. Repairs and replacements should only be performed by an authorized technician. For any questions, please contact our customer service at 1-**847-429-9263**, M-F 8-5 CST or email us at **techsupport@wenproducts.com**.

Problem	Solution
No display.	The battery is out of charge. Charge the battery.
Digits do not display correctly.	Caliper error; contact customer service for assistance.
Digits flashing.	Caliper error; contact customer service for assistance.
Battery icon appears.	Low battery; charge battery.

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 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 per-mitted 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-**847-429-9263** 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, vour 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 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 LIMI-TATION 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, CANA-DA 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.

FREQUENTLY ASKED QUESTIONS

What is the price of the WEN 10767D Digital Dial Caliper?

The WEN 10767D Digital Dial Caliper is priced at $99.99, offering a premium tool for precise measurements at a competitive cost.

What is the measurement accuracy of the WEN 10767D Digital Dial Caliper?

The WEN 10767D Digital Dial Caliper provides an impressive measurement accuracy of 0.0005 inches, ensuring high precision for your projects.

What is the measuring range of the WEN 10767D Digital Dial Caliper?

The WEN 10767D Digital Dial Caliper has a measuring range of 0 to 6 inches (0 to 150mm), making it versatile for a variety of measurement tasks.

What is the resolution of the WEN 10767D Digital Dial Caliper?

The resolution of the WEN 10767D Digital Dial Caliper is 0.01mm, 0.0005 inches, or 1/128 inches, offering fine-level precision for detailed measurements.

What type of battery does the WEN 10767D Digital Dial Caliper require?

The WEN 10767D Digital Dial Caliper requires 1 rechargeable lithium-ion battery, providing long-lasting power for continuous use.

What are the package dimensions of the WEN 10767D Digital Dial Caliper?

The package dimensions for the WEN 10767D Digital Dial Caliper are 10.88 x 4.25 x 1.63 inches, ensuring it fits neatly in most tool storage areas.

How much does the WEN 10767D Digital Dial Caliper weigh?

The WEN 10767D Digital Dial Caliper weighs 1.2 pounds, which makes it sturdy yet manageable for precise and comfortable handling.

What is the IP rating of the WEN 10767D Digital Dial Caliper?

The WEN 10767D Digital Dial Caliper has an IP67 rating, making it highly resistant to dust and water, suitable for tough work environments.

What is the operating temperature range for the WEN 10767D Digital Dial Caliper?

The WEN 10767D Digital Dial Caliper operates effectively between 32°F to 104°F (0°C to 40°C), suitable for most working conditions.

What is the storage temperature range for the WEN 10767D Digital Dial Caliper?

The WEN 10767D Digital Dial Caliper can be safely stored between 14°F and 140°F (-10°C to 60°C), ensuring it remains functional even in varied storage environments.

When was the WEN 10767D Digital Dial Caliper first available?

The WEN 10767D Digital Dial Caliper was first available on October 22, 2024, providing a new, high-quality tool for professionals and hobbyists alike.

What is the maximum humidity tolerance of the WEN 10767D Digital Dial Caliper?

The WEN 10767D Digital Dial Caliper can handle unlimited humidity, ensuring reliability even in environments with high moisture levels.

How does the WEN 10767D Digital Dial Caliper compare to other digital calipers?

Compared to other models, the WEN 10767D Digital Dial Caliper offers superior accuracy, an IP67 rating, and a rechargeable lithium-ion battery, making it a great choice for durability and long-term performance.

What makes the WEN 10767D Digital Dial Caliper ideal for precision work?

With its accuracy of 0.0005 inches and a resolution of 0.01mm, the WEN 10767D Digital Dial Caliper is perfect for precise measurements in mechanical, engineering, or hobbyist applications.

What is the benefit of the rechargeable lithium-ion battery in the WEN 10767D Digital Dial Caliper?

The rechargeable lithium-ion battery in the WEN 10767D Digital Dial Caliper offers convenience and cost savings by eliminating the need for frequent battery replacements.

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References

- **User Manual**