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Simhevn Electronic Digital Caliper Operating Instructions

Contents

SIMHEVN

Simhevn Electronic Digital Caliper

INTRODUCTION

When it comes to precision and price, the Simhevn Electronic Digital Caliper is the best choice. People who need accurate measurements without spending a lot of money will love this caliper. It's great for pros, do-it-yourselfers, and hobbyists alike. It can measure from 0 to 6 inches (0 to 150 mm) and has an amazing resolution of 0.01 inch/0.1 mm, so it can be used for a lot of different tasks. With an accuracy of 0.01mm, it's easy to take even the smallest measures. The one LR44/AG13 1.5V battery that comes with this caliper powers the clear LCD screen that makes reading it easy. Given that it costs **$18.99**, it's a great deal. The Simhevn caliper, which was released on **January 19, 2022**, by Shenzhenhuiyimaoyiyouxiangongsi, is made to last and give accurate measurements every time. It is a must-have tool for anyone who wants to measure with trust.
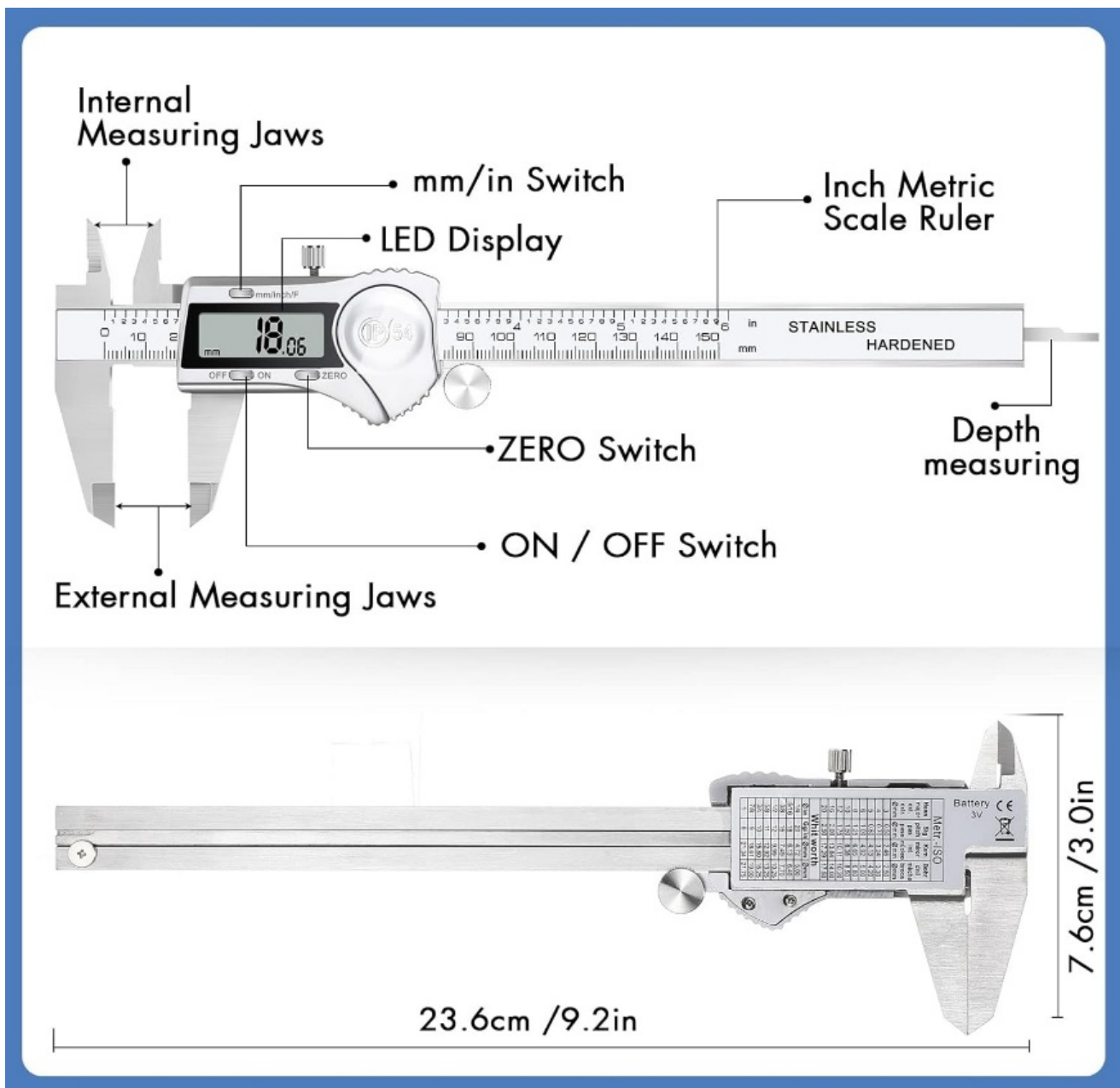
SPECIFICATIONS

Brand	Simhevn
Price	$18.99
Measurement Accuracy	0.01mm
Display	LCD screen
Power	1 x LR44/AG13 1.5V battery (included)
Measuring Range	0-150 mm / 0-6 inch
Resolution	0.1 mm / 0.01 inch
Package Dimensions	10.16 x 4.09 x 1.26 inches
Weight	13.12 ounces
Date First Available	January 19, 2022
Manufacturer	Shenzhenhuiyimaoyiyouxiangongsi
Country of Origin	China

WHAT'S IN THE BOX

- Electronic Digital Caliper
- Battery
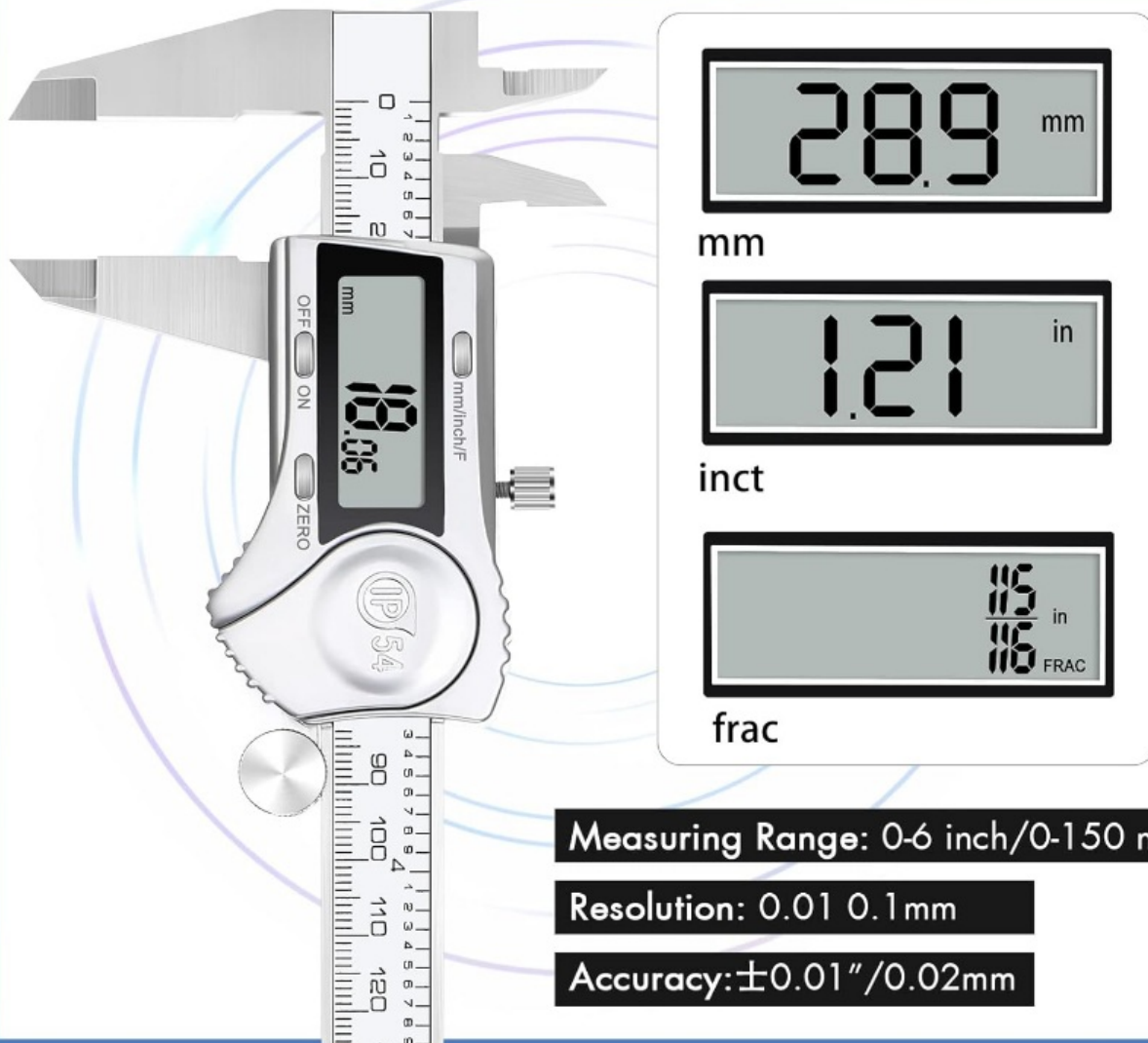- Operating Instructions

PRODUCT OVERVIEW

FEATURES

- **Premium Material**: This caliper is made of high-quality materials that make it last and won't damage valuable items when used to measure them.
- **Accurate Reading**: The caliper has been rigorously tested to ensure accuracy. It gives readings that are accurate to 0.01 inch or 0.1 mm, making it useful for a wide range of home and do-it-yourself projects.
- **Zero Calibration**: The caliper lets users set the measurement to zero at any point, so they can take readings that are smooth and continuous.
- **Change Units**: The blue button makes it easy to switch between inches and millimeters, so you can use it for a variety of measuring tasks.

UNIT CONVERSION
Easily switch the units between inch and millimeter by pressing the blue button

28.9 mm

mm

1.21 in

inct

115/116 in FRAC

frac

Measuring Range: 0-6 inch/0-150 mm
Resolution: 0.01 0.1mm
Accuracy: ±0.01"/0.02mm

- **Large LCD Display**: The digital display is big and easy to read, and it shows numbers right away for your comfort.
- **Auto On/Off Function**: When the jaws are moved, the caliper turns on automatically. It turns off after 5 minutes of idleness to save battery life.
- **Four Ways to Measure**: Able to Quantify:
  - **External Measuring**: Using the long jaws to measure the outside width of things.
  - **Measuring from the inside**: inner diameter with the top jaws in place.
  - Using the long probe to measure the depth of small, hard-to-reach items.
  - **Step Measurements**: The width and height of the steps or edges that make up the steps.

4 MEASURING MODES

01 inside diameter

02 Outside diameter

03 Depth

04 Step

- **High Measurement Range**: The caliper can measure from 0 to 150 mm (0 to 6 inches), so it can be used for a lot of different things.
- **Resolution**: The scale has a resolution of 0.1 mm (0.01 inches), which lets you measure small things around the house and for do-it-yourself projects.
- **Safety Features**: Since the pins are made of plastic, there are no risks of short circuits or other safety issues when measuring electrical parts.
- **Price That Won't Break the Bank**: The Simhevn digital caliper costs only $18.99, so it can be used at home or for light work at the office.
- **Lightweight Design**: This caliper only weighs 13.12 ounces, so it's easy to hold and use for long amounts of time without getting tired.
- **Already installed and an extra battery**: The caliper runs on a single LR44/AG13 1.5V battery and comes with both the installed battery and a spare for your convenience.
- **LCD Screen That Is Easy to Read**: The big digital screen makes measures easy to see, which lowers the risk of reading mistakes.
- **Small Size**: The caliper is only 10.16 x 4.09 x 1.26 inches, so it's small and easy to store in a toolbox or closet when not in use.

SETUP GUIDE

- Take the caliper out of its box and look it over to see if there are any visible flaws or damage. Make sure the screen is still there and working.
- **Put in the Battery**: Open the battery box and put the LR44/AG13 battery inside. Before you close the door, make sure the polarity is right.
- **Turn on the Caliper**: When you move the jaws, the caliper turns on by itself. If it doesn't, make sure the jaws are open or the battery is dead.
- **Switch Units**: Press the blue button to switch between millimeters and inches, depending on what you need to measure for your job.
- **Set to Zero**: To return the caliper to zero, press the "Zero" button. This lets you start measuring again from any point.
- There are four measurement modes: External, Internal, Depth, and Step. Choose the one that works best for the thing you are measuring.
- **To set the caliper correctly**, move the jaws to the farthest left position and press the "Zero" button. This will make sure that the numbers are accurate.
- **Measure the Outside Diameter**: Make sure the caliper is lined up correctly and use the long jaws to measure the outside dimensions of an item.
- **Number of Jaws**: Use the top jaws to find the number of jaws inside tubes or other hollow items.
- **Depth Measurement**: To get an exact reading, make sure the depth probe fits securely in the hole and is extended to measure the depth of recesses or small objects.
- **Step Measurement**: To find the change in height or steps between two surfaces, use the step function.
- **Check out the Screen**: Make sure you keep the caliper straight while you measure so that you can see the reading clearly on the LCD screen.
- **In order to save battery life**, the caliper will turn off by itself after 5 minutes of not being used.
- **Switch to Spare Battery**: If the screen starts to dim, swap out the battery for the spare one that came with the package.
- **How to Store It**: When you're done using the caliper, close the jaws and put it away in a safe case to keep it from getting broken.

CARE & MAINTENANCE

- **Keep it Clean**: Use a soft cloth to wipe the caliper clean after each use so that dust or other particles don't build up and change the results.
- **Avoid Water**: To keep the electronics from breaking, don't put the caliper near water or a lot of humidity.
- **When you measure**, make sure the surface is clean and smooth so that trash and grime don't get in the way of the jaws or affect the accuracy.
- **Take Out the Battery for Storage**: If you're going to be keeping the caliper for a long time, take out the battery to keep it from corroding or leaking.
- **Damage Check**: Make sure to look at the caliper often for cracks or other damage that you can see, especially near the jaws or the LCD screen.
- **Don't Drop**: Be careful not to drop the caliper and damage its delicate parts. Do not drop it on hard surfaces.
- **How to Store It**: When not in use, put the caliper in a protected case or tool bag to keep it from getting scratched or hit.

- **Regularly Calibrate**: Set the caliper to zero every so often to make sure that measures are always accurate.
- **Replace Battery Right Away**: As soon as the screen goes dark, you should replace the battery right away to make sure it keeps working properly.
- **Clean the Jaws**: If the jaws get sticky or dirty, use a soft brush or cloth to gently clean them so that the machine keeps running smoothly.
- **Do Not Force**: If the caliper jaws get stuck, do not force them open because this could damage the system inside.
- **Harsh Chemicals**: Keep the caliper away from harsh chemicals that could damage the plastic parts or cause the metal to rust.
- **Check the Display**: If the display isn't working right, either check the battery or set the caliper back to zero.
- **Use for What It's Meant to Be Used For** : The caliper should only be used for household and light-duty measurements. It shouldn't be used for high-precision industrial jobs.
- **Professional Servicing**: If the caliper doesn't work or shows signs of wear, call customer service for help or to schedule service.
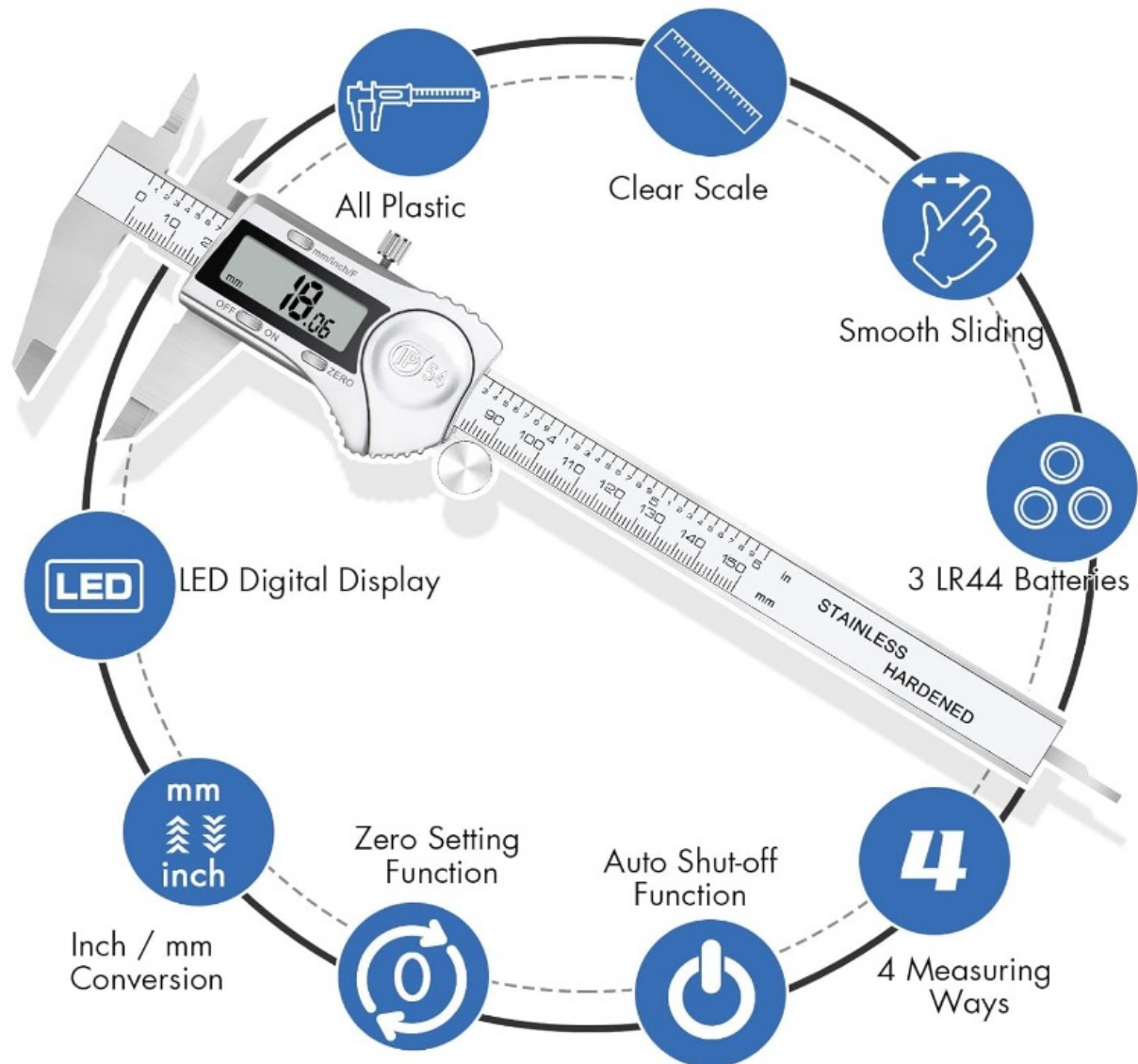
TROUBLESHOOTING

Issue	Solution
The display not turning on	Ensure the battery is inserted correctly, or replace it with a fresh LR44.
Inaccurate measurements	Clean the measuring jaws to remove any dust or debris. Recalibrate the caliper.
Measurement not zeroing	Make sure the caliper is on a flat, clean surface, and press the zero button.
Battery draining quickly	Check that the caliper is turned off after use, or replace it with a fresh battery.
Error on display	Reset the caliper or check for any obstructions in the measurement area.
Display showing low battery	Replace the LR44 battery when the low battery indicator shows.
Display shows garbled text	Clean the display screen and reinsert the battery securely.
Unit conversion malfunction	Press and hold the unit button to reset the measurement mode.
Jaws not moving smoothly	Lubricate the sliding mechanism and ensure it is free from dust and grime.
Micrometer stuck	Ensure no foreign objects are blocking the caliper's movement. Clean if necessary.
Reading not stable	Reset the caliper and check for wear and tear on the components.
LCD flickering	Reinsert or replace the battery, and clean the connections.
Units not switching	Press the unit conversion button firmly to ensure proper switching.
Measurement not resetting	Ensure the caliper is at the zero position and recalibrate it.
Caliper feels loose	Tighten any loose screws or components to ensure proper functioning.
Inconsistent readings	Recalibrate the caliper, or replace the battery if it's low.

PROS & CONS

Pros:

1. Accurate to 0.01mm, ideal for precise measurements.
2. Clear LCD display for easy readability.
3. The affordable price of $18.99 makes it accessible to all users.
4. Wide measuring range of 0-150mm / 0-6 inches.
5. Powered by a long-lasting LR44 battery, ensuring reliability.

9 ADVANTAGES

All Plastic

Clear Scale

Smooth Sliding

LED Digital Display

3 LR44 Batteries

Inch / mm Conversion

Zero Setting Function

Auto Shut-off Function

4 Measuring Ways

Cons:

1. The plastic body may not be as durable as metal alternatives.
2. Limited to basic measurement functions—lacks advanced features.
3. Battery compartments can be difficult to open.
4. Plastic construction might feel less premium compared to other models.
5. May not be suitable for highly precision-demanding tasks.

WARRANTY

The **Simhevn Electronic Digital Caliper** comes with a **1-year limited warranty**. This warranty covers defects in materials and workmanship under normal use. If the product fails during the warranty period, the manufacturer will repair or replace the caliper at no extra charge, provided the issue is not due to misuse or damage caused by the user. Keep your proof of purchase for easy warranty claims. The limited warranty ensures that you are covered in case of any manufacturing defects, offering peace of mind for your purchase.

FREQUENTLY ASKED QUESTIONS

What is the measurement range of the Simhevn Electronic Digital Caliper?

The Simhevn Electronic Digital Caliper has a measurement range of 0 to 150mm (0 to 6 inches), making it versatile for both small and larger measurements.

What is the resolution of the Simhevn Electronic Digital Caliper?

The resolution of the Simhevn Electronic Digital Caliper is 0.1mm (0.01 inches), providing precise measurements for various applications.

How accurate is the Simhevn Electronic Digital Caliper?

The Simhevn Electronic Digital Caliper offers a measurement accuracy of 0.01mm, ensuring highly accurate readings for precision tasks.

What type of display does the Simhevn Electronic Digital Caliper use?

The Simhevn Electronic Digital Caliper features an easy-to-read LCD screen, providing clear digital measurements.

How is the Simhevn Electronic Digital Caliper powered?

The Simhevn Electronic Digital Caliper is powered by one LR44/AG13 1.5V battery, which is included with the product.

What is the weight of the Simhevn Electronic Digital Caliper?

The Simhevn Electronic Digital Caliper weighs 13.12 ounces, providing a solid yet manageable weight for easy handling.

What are the package dimensions of the Simhevn Electronic Digital Caliper?

The package dimensions of the Simhevn Electronic Digital Caliper are 10.16 x 4.09 x 1.26 inches, making it compact and easy to store.

What is the price of the Simhevn Electronic Digital Caliper?

The Simhevn Electronic Digital Caliper is priced at $18.99, offering great value for its precision and features.

When was the Simhevn Electronic Digital Caliper first available?

The Simhevn Electronic Digital Caliper was first available on January 19, 2022, offering modern digital measuring capabilities.

What is the country of origin for the Simhevn Electronic Digital Caliper?

The Simhevn Electronic Digital Caliper is manufactured in China, reflecting the global nature of tool production.

What type of battery does the Simhevn Electronic Digital Caliper require?

The Simhevn Electronic Digital Caliper uses a single LR44/AG13 1.5V battery, which is included in the package.

Can the Simhevn Electronic Digital Caliper measure both metric and imperial units?

Yes, the Simhevn Electronic Digital Caliper can measure in both millimeters (mm) and inches (in), offering flexible unit options.

What makes the Simhevn Electronic Digital Caliper suitable for precise measurements?

The Simhevn Electronic Digital Caliper's resolution of 0.1mm (0.01 inches) and accuracy of 0.01mm make it ideal for precision measurement tasks.

How easy is it to read measurements on the Simhevn Electronic Digital Caliper?

The Simhevn Electronic Digital Caliper features a large LCD display, making it easy to read measurements clearly and accurately.

What are the dimensions of the Simhevn Electronic Digital Caliper?

The product dimensions of the Simhevn Electronic Digital Caliper are compact, at 10.16 x 4.09 x 1.26 inches, for easy storage and handling.

References

- **[User Manual](#)**