Qfun SDK1-117 Vernier Digital Caliper User Manual

Contents

1 Qfun SDK1-117 Vernier Digital Caliper
2 INTRODUCTION
3 SPECIFICATIONS
4 WHAT'S IN THE BOX
5 PRODUCT OVERVIEW
6 PRODUCT DIMENSIONS
7 FEATURES
8 SETUP GUIDE
9 CARE & MAINTENANCE
10 TROUBLESHOOTING
11 PROS & CONS
12 WARRANTY
13 FREQUENTLY ASKED QUESTIONS
14 VIDEO – PRODUCT OVERVIEW
15 References
16 Related Posts

Qfun SDK1-117 Vernier Digital Caliper

INTRODUCTION

This is the Qfun SDK1-117 Vernier Digital Caliper. It is a very accurate and easy-to-use tool made for pros and do-it-yourselfers. The impressive accuracy of this digital caliper is ±0.001 inches/0.02mm, which makes it great for a wide range of jobs, from home projects to mechanical work. The caliper has a digital display that is easy to read and can measure in both inches and millimeters, so it can be used for a variety of tasks. It can be used for many things because it has a range of 0 to 6 inches (0 to 150 mm). The stainless steel design makes it strong and long-lasting, and the 10.23-ounce weight makes it feel solid in your hand while still being comfortable. The Qfun SDK1-117, which costs $24.99, is a cheap choice for anyone who wants to use reliable measuring tools. It came out for the first time on January 15, 2020, and is made by Qfun, a business known for making high-quality, precise products.

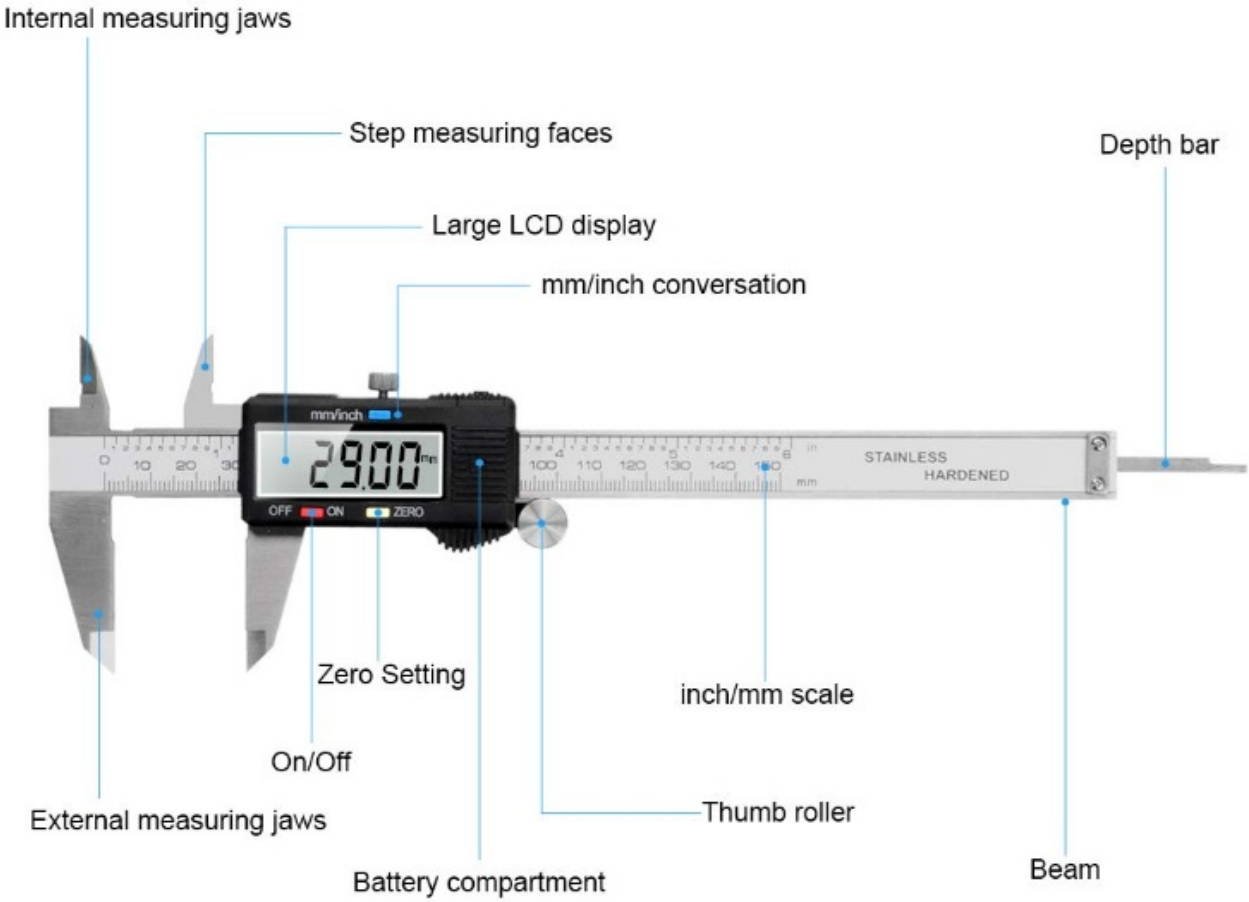
SPECIFICATIONS

Brand	Qfun
Material	Stainless Steel
Range	1.5E+2 Millimeters
Measurement Accuracy	±0.001 Inches / 0.02mm
Price	$24.99
Measurement Unit	Inch / Millimeter
Battery Type	LR44
Measurement Range	0-6 inches / 0-150mm
Product Dimensions	9 x 3.2 x 0.6 inches
Weight	10.23 ounces
Item Model Number	SDK1-117
Date First Available	January 15, 2020
Manufacturer	Qfun

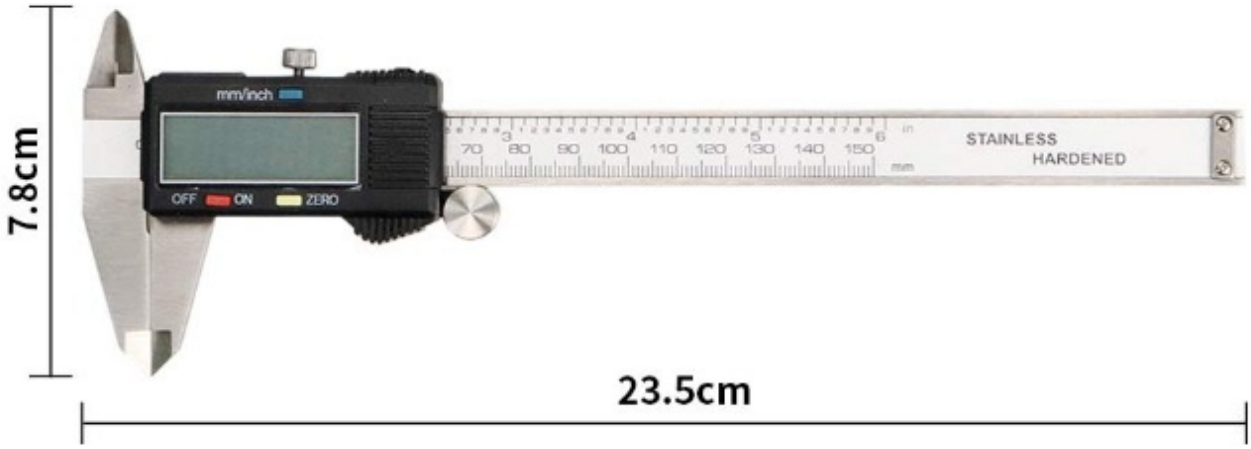
WHAT'S IN THE BOX

- Digital Caliper
- Battery
- User Manual

PRODUCT OVERVIEW



PRODUCT DIMENSIONS



FEATURES

- **Waterproof Construction**: Made from highly polished, rust-proof stainless steel that is waterproof, so it will last for a long time and be useful for working in wet places.
- **Anti-Rust Design**: The high-quality stainless steel doesn't rust, so it can be used for a long time in a variety of situations.
- **Knurled Thumb Roller**: It has a knurled thumb roller for easy sliding, which makes measures more accurate.
- **Locking Screw**: The locking screw keeps the caliper in place so that readings are accurate and stable.
- **Unit Switch**: With just one press of a button, you can quickly switch between inches and millimeters, giving you more options.

- **Large LCD Screen**: The extra-large LCD screen makes measures clear and easy to read, even for small numbers.

- **High Accuracy**: It gives accurate results thanks to its resolution of 0.0004″ / 0.01mm and accuracy of 0.0007″ / 0.02mm.
- **Flexible Measuring Functions**: The caliper makes it easy to measure depth, step, and both internal and external dimensions.

- **Auto-Shut Off**: The caliper turns off by itself after 5 minutes of idleness to save battery life.
- **Portable Protective Case**: It comes with a strong, shockproof, and pressure-resistant case that is great for keeping things safe and making them easy to carry.
- **Strong enough for Professionals**: Jewelers, woodworkers, car mechanics, and hobbyists can all use it without any problems.
- **Wide Use**: It can be used for many things, from taking precise measurements for do-it-yourself jobs to professional work.
- **Battery-Powered**: An LR44 battery powers it, so you can use it for a long time.
- **Ergonomic Design**: The caliper is made in a way that makes it easy to hold and use for long periods of time.
- **Cost-effective**: At $24.99, it’s a great deal for high-precision, waterproof measuring tools.

SETUP GUIDE

- **Take Off the Battery Insulation**: Before using, take off any protected plastic strip in the battery compartment to make sure it works right.
- **Power On**: When the sliding device is moved, the caliper turns on by itself.
- **Set to Zero**: Press the “Zero” button to start. This will reset the measurement to zero at any point, making sure that the numbers are correct.
- **Unit Change**: Pressing the button makes it easy to switch between inches and millimeters for different measurements.
- **Measuring Outside Dimensions**: To measure the outside dimensions of things, use the big mouth.
- **Getting the Inside Diameter**: To get the inside diameter of hollow items, switch to the smaller jaws.
- **Measure Depth**: To find out how deep a small or large depression is, extend the tool.
- **Step Measurement**: The step design makes it easy to accurately measure the height or length of things.
- **Installing the Battery**: If the screen flickers or gets dim, change the LR44 battery in the back of the caliper.
- **To Make Sure Sliding Is Smooth**: For accurate readings, use the knurled thumb roller to make sure sliding is smooth.
- **Locking Screw**: Tighten the locking screw to keep the caliper in place and get accurate results when you’re measuring.
- **Auto Shut Off**: To save battery life, the caliper will turn off by itself after 5 minutes of not being used.
- **Storage Case**: To keep the caliper safe, put it away in the shockproof case that comes with it after use.

- **Maintenance**: Check the jaws every so often for dirt and dust and clean them with a clean cloth before each use.
- **Reading the Display**: Before you finish a measurement, always make sure that the numbers on the LCD screen are clear, big, and correct.

CARE & MAINTENANCE

- **Clean After Each Use**: Wipe the caliper clean with a soft cloth after each measurement so that dust or dirt doesn't change the results.
- **Avoid Submersion in Water**: Even though it's waterproof, don't leave it in water for a long time. If you need to, clean it with a wet cloth.
- **Store in a Dry Place**: If you use the caliper in damp conditions, keep it in a dry place to keep it from rusting or corroding.
- **Check for Calibration Often**: To keep the caliper's accuracy, make sure it is properly calibrated by testing it on known measurements.
- **Protect from Impact**: To keep the caliper's internal parts in good shape, don't drop it or hit it with something hard.
- **Changing the Battery**: If the screen gets dim or the caliper stops working, replace the LR44 battery right away.
- **Store in the Case That Comes With It**: When not in use, keep the caliper in its strong, shockproof case to keep it from getting broken by mistake.
- **Keep Debris Out of the Jaws**: Make sure to clean the jaws often and keep any dirt or other things from getting stuck between them, as this can affect how accurately they work.
- **Avoid Harsh Chemicals**: Do not use harsh chemicals, acids, or abrasive cleaners on the caliper. These can damage the metal and display.
- **Do Not Force Movement**: When measuring, never force the sliding mechanism or teeth to move. Doing so can damage the inside of the tool.
- **Grease the Sliding Mechanism**: To keep the caliper sliding easily, put a little grease on the moving parts every so often.
- **Temperature Awareness**: To get the best performance from the caliper, don't use it or store it in temperatures that are too high or too low.
- **Check the Locking Mechanism**: Make sure the locking screw works properly because it is an important part of getting the setting right.
- **Avoid Magnetic Fields**: Keep the caliper away from strong magnetic fields because they could damage the computer parts inside.
- **Check Functionality**: Use a reference object to test the caliper on a regular basis to make sure it's working right and gives correct readings.

TROUBLESHOOTING

Issue	Solution
The display not turning on	Replace the LR44 battery if it's dead or improperly installed.
Display flickering	Re-seat the battery or replace it with a fresh one.
Inaccurate readings	Calibrate the caliper by resetting it to its default settings.
No measurement response	Make sure the caliper is turned on and the measuring surface is clean.
Buttons unresponsive	Clean the buttons and ensure they're free from moisture or debris.
Measurement mode switching is sues	Ensure the caliper is set to the correct unit of measurement (inches or mill imeters).
Battery life drains quickly	Replace the battery with a new LR44 alkaline button cell.
Sticky sliding mechanism	Lubricate the sliding parts with light oil and wipe away any excess.
Error code on display	Refer to the user manual for specific error code troubleshooting steps.
Rust or corrosion on the surface	Wipe down the caliper with a dry, soft cloth and store in a dry place.
Measurement freezing	Replace the battery or reset the caliper.
Inconsistent measurements	Check for dirt or obstructions on the caliper's measuring faces.
Faulty reading while measuring d epth	Ensure the depth rod is properly aligned and used correctly.
Display malfunction	Try a battery replacement or reset the tool to its default settings.
Caliper not holding measurements	Tighten the lock screw to hold measurements in place.

PROS & CONS

Pros:

1. Offers high accuracy with a ±0.001 inches / 0.02mm measurement tolerance.
2. Stainless steel build ensures durability and a long lifespan.
3. Clear and easy-to-read digital display for quick and accurate readings.
4. Supports both inch and millimeter measurements, providing versatility.
5. The affordable price of $24.99 for the quality and functionality provided.

Cons:

1. May require frequent battery replacement (LR44) for prolonged use.
2. The caliper may not be ideal for larger measurements beyond 6 inches.
3. The digital display can be difficult to read in low-light environments.
4. At 10.23 ounces, it may feel heavier compared to other lightweight models.
5. Some users may find the buttons a bit small for comfortable operation.

WARRANTY

The Qfun SDK1-117 Vernier Digital Caliper comes with a **1-year limited warranty** from the manufacturer. This warranty covers defects in material or craftsmanship under normal use. Should any issues arise during the warranty period, customers can contact Qfun's customer service for troubleshooting, repairs, or product replacement. This warranty ensures peace of mind and guarantees that the tool will function properly under typical working conditions for up to a year after purchase.

FREQUENTLY ASKED QUESTIONS

What is the price of the Qfun SDK1-117 Vernier Digital Caliper?

The Qfun SDK1-117 Vernier Digital Caliper is priced at $24.99, providing good value for precise measurement tasks.

What is the range of the Qfun SDK1-117 Vernier Digital Caliper?

The Qfun SDK1-117 Vernier Digital Caliper has a measurement range of 0-6 inches (0-150 mm), allowing for versatile usage in a variety of projects.

What material is the Qfun SDK1-117 Vernier Digital Caliper made from?

The Qfun SDK1-117 Vernier Digital Caliper is made from durable stainless steel, providing strength and longevity for everyday use.

What is the measurement accuracy of the Qfun SDK1-117 Vernier Digital Caliper?

The Qfun SDK1-117 Vernier Digital Caliper offers an accuracy of ±0.001 inches (±0.02 mm), ensuring precision for most measurement tasks.

What is the weight of the Qfun SDK1-117 Vernier Digital Caliper?

The Qfun SDK1-117 Vernier Digital Caliper weighs 10.23 ounces, offering a sturdy and reliable build without being too heavy for comfortable use.

What are the dimensions of the Qfun SDK1-117 Vernier Digital Caliper?

The Qfun SDK1-117 Vernier Digital Caliper measures 9 x 3.2 x 0.6 inches, making it a compact and portable tool that’s easy to store.

What type of battery does the Qfun SDK1-117 Vernier Digital Caliper use?

The Qfun SDK1-117 Vernier Digital Caliper requires an LR44 battery, a commonly used button cell battery that is easy to replace.

What is the measuring unit of the Qfun SDK1-117 Vernier Digital Caliper?

The Qfun SDK1-117 Vernier Digital Caliper offers measurement in both inches and millimeters, making it versatile for various applications.

What is the maximum measurement range of the Qfun SDK1-117 Vernier Digital Caliper in inches?

The Qfun SDK1-117 Vernier Digital Caliper has a maximum measurement range of 6 inches (150 mm), ideal for general measurement needs.

What is the measurement resolution of the Qfun SDK1-117 Vernier Digital Caliper?

The Qfun SDK1-117 Vernier Digital Caliper provides a resolution of 0.0005 inches (0.01 mm), offering high precision for detailed measurements.

How do you switch between measurement units on the Qfun SDK1-117 Vernier Digital Caliper?

The Qfun SDK1-117 Vernier Digital Caliper allows you to easily switch between inches and millimeters with the unit button on the digital display.

How easy is it to use the Qfun SDK1-117 Vernier Digital Caliper?

The Qfun SDK1-117 Vernier Digital Caliper is user-friendly with a simple LCD screen and easy-to-operate buttons, making it suitable for both beginners and professionals.

What industries would benefit from the Qfun SDK1-117 Vernier Digital Caliper?

Industries such as manufacturing, automotive, carpentry, and DIY projects would benefit from the precision and ease of use of the Qfun SDK1-117 Vernier Digital Caliper.

How long does the battery in the Qfun SDK1-117 Vernier Digital Caliper last?

The battery life of the Qfun SDK1-117 Vernier Digital Caliper depends on usage, but with typical use, the LR44 battery can last several months before needing replacement.

Why won’t the display turn on my Qfun SDK1-117 Vernier Digital Caliper?

If the display on your Qfun SDK1-117 Vernier Digital Caliper isn’t turning on, check the battery. It could be dead or improperly installed. Open the battery compartment, replace the battery (typically a CR2032), and ensure proper orientation.

VIDEO – PRODUCT OVERVIEW

References

https://manuals.plus/wp-content/uploads/2024/11/Qfun-SDK1-117-Vernier-Digital-Caliper-User-Manual.mp4

- User Manual