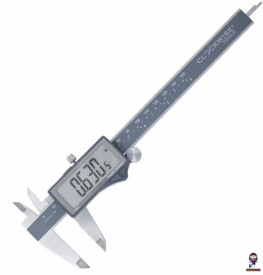


CLOCKWISE®
TOOLS

DCLR-0605
DIGITAL
CALIPER



Clockwise Tools DCLR-0605 Digital Caliper User Manual

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CLOCKWISE®
TOOLS

Clockwise Tools DCLR-0605 Digital Caliper



INTRODUCTION

The Clockwise Tools DCLR-0605 Digital Caliper is a very accurate and flexible measuring tool that can be used by both experts and amateurs. It has a measuring range of 0 to 6 inches (150 mm) and an accuracy of ± 0.001 inches / 0.03mm, so you can be sure that the measurements you get for any job are correct. Readings can be seen on the big 3/4-inch x 2-inch LCD screen in inches, millimeters, and fractions. It is easy to change between units. This caliper is great for work that needs to be very precise. It has a resolution of 0.0005 inch/0.01mm and an accuracy of 0.0005 inch/0.01mm. With a **price of only \$22.71**, it's a great deal for how well it works. The first Clockwise Tools DCLR-0605 was released on **November 22, 2015**. It is made by Clockwise Tools Inc., which is a well-known brand name for precise tools. This caliper gives you the accuracy and dependability you need for your measuring jobs, whether you're in the workshop or on the go.

SPECIFICATIONS

Brand	Clockwise Tools
Price	\$22.71
Measuring Range	0-6 Inches / 150mm
Accuracy	±0.001 Inches / 0.03mm
Battery	3V, CR2032 (installed); Extra Battery Included
Measuring Range Options	0-6 inch / 150mm; 0-8 inch / 200mm; 0-12 inch / 300mm
LCD Screen Size	3/4 inch x 2 inch (20mm x 50mm)
Units of Measurement	Inch / Metric / Fraction Conversion
Fraction Display	Up to 1/128 inch
Resolution	0.0005 inch / 0.01mm, 1/128 inch
Repeatability	0.0005 inch / 0.01mm
Product Dimensions	9.25 x 1.5 x 0.5 inches
Weight	5.28 ounces
Item Model Number	DCLR-0605
Batteries Required	2 CR2032 batteries
Date First Available	November 22, 2015
Manufacturer	Clockwise Tools Inc.
Satisfaction Guarantee	100% Satisfaction Guaranteed

WHAT'S IN THE BOX

- Digital Caliper
- Battery
- User Manual

FEATURES

- **Range of Measurements:** It can measure up to 6 inches (150 mm) by itself, or up to 8 inches (200 mm) or 12 inches (300 mm).



INCH

MM

FRACTION

- The precision accuracy for 6-inch models is $\pm 0.001''/0.03\text{mm}$, for 8-inch models it's also $\pm 0.001''/0.03\text{mm}$, and for 12-inch models it's $\pm 0.0015''/0.04\text{mm}$.
- **precision:** It has a high precision of $0.0005''/0.01\text{mm}$ and can read fractions up to $1/128''$.
- **reliability:** With a tolerance of $0.0005''/0.01\text{mm}$, it has great reliability.
- **Changeable Units:** It's easy to go between inches, metric (mm), and fractional units.
- **Large LCD Display:** The $1/4'' \times 2''$ (21 mm x 50 mm) extra-large LCD screen makes measures clear and easy to read.



- **RS232 Data Transfer:** It has an RS232 data transfer port so you can send measurements straight to a PC (a different cable is required).
- **IP54 Protection:** The design keeps out dust and water, so it will last in a variety of work settings.
- **Fine Polished Stainless Steel:** Made of high-quality stainless steel that will last and slide easily.
- **Completely Set Up:** Every caliper is set up before it is shipped so that it can take accurate readings right out of the box.
- **Step Measuring:** It's easy to measure the height of steps so that you can get exact length or height readings.
- **Depth Measuring:** Gives accurate depth readings, which are helpful for places that are hard to get to.
- **External Measuring:** This is the best way to find out the outer width or length of something.
- **Internal Measuring:** This feature makes it possible to correctly measure inner diameters.



**EXTERNAL
MEASUREMENT**



DEPTH



**INTERNAL
MEASUREMENT**



STEP

- **Auto-Off Function:** To save battery life, the caliper turns off by itself after 5 to 7 minutes of inaction.

SETUP GUIDE

- Carefully take the caliper out of the box and make sure that the package comes with the caliper, one CR2032 battery that is already attached, and one spare battery.
- To turn on the caliper, press the power button. Readings will show up on the LCD screen.
- To change the number, press the conversion button. You can then choose to use inches, millimeters, or fractional units.
- **Zero Calibration:** To make sure the caliper is accurate, always press the zero button to return it to zero before taking a measurement.
- **Installing a Battery:** To put in the replacement battery, slide the cover over the battery compartment open and, if needed, replace the old battery with a CR2032 battery.
- If you want to measure the outside size of an item, open the caliper jaws and close them again to get a correct reading.
- Using **Internal Jaws:** To measure inside an item, slide the caliper jaws inside and slowly open them up until they touch both sides.

- To use the **Depth Gauge**, extend the depth probe and make sure the caliper is straight across from the item for accurate readings.
- **Step Measuring Setup**: Place the caliper's step on the surface to use the step measuring feature to measure the height of an item.
- **RS232 Connection**: To send data to a PC, connect the caliper to an RS232 data wire that works with it (DTCR-02) and use the right software to get the data.
- **Cleaning the Jaws**: Use a small piece of paper to wipe down the outside of the jaws before use to get rid of any dirt or dust that could affect their accuracy.
- **Setting the Measurement Back to Zero**: To make sure that all measures are the same, press the zero button on the caliper after each one.
- **How to Adjust the Thumb Wheel**: To adjust the thumb wheel, gently press it against the beam and then slide it to the right position for accurate measurements.
- **How to Keep the Caliper Safe**: To keep the caliper safe, keep it in its original case when not in use.
- **Maintaining Display vision**: Wipe the LCD screen gently with a soft cloth to make sure it is clean for best vision.

CARE & MAINTENANCE

- **Regular Cleaning**: The body and teeth of the caliper should be cleaned after each use to keep dirt and other things from building up. Wipe off any extra oil or grease with a soft cloth.
- To keep the caliper from rusting, always dry it with a soft, dry cloth after cleaning it. This is especially important for the metal parts.
- **Keep it Safe**: When not in use, keep your caliper in its case or on a clean, dry surface to keep it from getting damaged or dirty.
- **Avoid high Conditions**: To keep the caliper from breaking, don't put it in places with high temperatures, moisture, or substances that rust.
- **Care for the Battery**: Take out the battery if you're not going to use the caliper for a long time to stop the battery from leaking.
- **Lubricate Moving Parts**: To make sure everything works smoothly, use a light oil on the thumb wheel and the sliding mechanism.
- **Do Not Drop or Hit the Caliper Hardly**: Do not drop or hit the caliper hard, as this can change its setting and accuracy.
- Watch out not to scratch the LCD screen. Don't press too hard on it when you clean it.
- **Calibration Checks**: Make sure the scale stays accurate by calibrating it every so often, especially after long use.
- **Use the Right Tools**: To keep the caliper from getting scratched or broken, only use soft tools, like cloths, to clean it or handle it.
- **Do Not Use Sharp Objects**: Do not use the caliper to measure anything sharp or rough that could damage the area you are measuring.
- **Keep an eye out for rust**: Check the metal parts often for rusty spots, especially around the edges and joints.
- **Watch Out for Magnets**: Even though the body is magnetic, don't put the caliper near strong magnetic fields that could stop it from working.
- When replacing batteries, always use the right kind (CR2032) to get the best performance and avoid power

problems.

- **Check for Wear:** If you use a caliper often, look for signs of wear on the jaws or measurement areas. If you need to, replace any old parts.

TROUBLESHOOTING

Issue	Solution
Display not turning on	Replace the CR2032 batteries if they are dead or improperly installed.
Inaccurate readings	Ensure the caliper is clean and calibrated properly for accurate results.
Display flickering	Check battery life, and replace if the batteries are low or improperly seated.
No measurement response	Reset the caliper or ensure it is turned on and functional.
Buttons unresponsive	Clean the buttons and remove any dirt or moisture that might be blocking them.
Switching between units fails	Press the unit button firmly to switch between inch, metric, or fraction units.
Battery life draining quickly	Replace the CR2032 batteries with fresh ones to extend battery life.
Sticky sliding mechanism	Apply a small amount of lubricant to the sliding parts for smooth operation.
Error code on display	Refer to the manual to identify the error code and follow the troubleshooting steps.
Rust or corrosion	Wipe the caliper with a dry cloth and store it in a dry, safe location to avoid corrosion.
Measurement freezing	Reset the caliper or replace the battery to restore functionality.
Inconsistent measurements	Inspect the measuring faces for dirt, debris, or damage.
Faulty reading while measuring depth	Ensure the depth rod is properly aligned for accurate readings.
Caliper not holding measurements	Tighten the lock screw to hold the measurements securely.
Display malfunction	Perform a reset or replace the batteries to fix display issues.

PROS & CONS

Pros:

1. Offers high accuracy with a ± 0.001 inch / 0.03mm tolerance.
2. Large LCD screen (3/4" x 2") for easy readability.
3. Multiple units of measurement including inches, millimeters, and fractions.
4. Resolution of 0.0005 inch / 0.01mm, ideal for detailed measurements.
5. Affordable pricing at \$22.71, makes it a cost-effective tool.

Cons:

1. Requires two CR2032 batteries, which may need frequent replacement.
2. Maximum measuring range of 6 inches (150mm) may limit use for larger measurements.
3. The fraction conversion can be difficult to read at times due to small characters.
4. May not be as durable as some higher-end, more rugged digital calipers.
5. The display may be challenging to read in low-light conditions.

WARRANTY

The **Clockwise Tools DCLR-0605 Digital Caliper** comes with a **1-year warranty**, ensuring customer satisfaction and reliability. This warranty covers defects in materials or workmanship under normal use. If any issues arise with the product within the warranty period, customers can contact Clockwise Tools for a replacement or repair. The warranty ensures that the tool will deliver the performance expected, and provides peace of mind when investing in this reliable caliper.

FREQUENTLY ASKED QUESTIONS

What is the price of the Clockwise Tools DCLR-0605 Digital Caliper?

The Clockwise Tools DCLR-0605 Digital Caliper is priced at \$22.71, making it a reasonably priced tool for accurate measurements.

What is the measuring range of the Clockwise Tools DCLR-0605 Digital Caliper?

The Clockwise Tools DCLR-0605 Digital Caliper offers a measuring range of 0-6 inches (150mm), but it is also available in 0-8 inches (200mm) and 0-12 inches (300mm).

What is the accuracy of the Clockwise Tools DCLR-0605 Digital Caliper?

The Clockwise Tools DCLR-0605 Digital Caliper has an accuracy of ± 0.001 inches (0.03mm) for the 6-inch model, ± 0.001 inches (0.03mm) for the 8-inch model, and ± 0.0015 inches (0.04mm) for the 12-inch model.

What type of battery does the Clockwise Tools DCLR-0605 Digital Caliper use?

The Clockwise Tools DCLR-0605 Digital Caliper uses 2 CR2032 batteries, one of which is installed in the caliper, and an extra battery is included.

What is the resolution of the Clockwise Tools DCLR-0605 Digital Caliper?

The resolution of the Clockwise Tools DCLR-0605 Digital Caliper is 0.0005 inches (0.01mm) or 1/128 inch.

How large is the LCD screen on the Clockwise Tools DCLR-0605 Digital Caliper?

The Clockwise Tools DCLR-0605 Digital Caliper features an extra-large LCD screen that measures 3/4 inch by 2 inches (20mm by 50mm), making it easy to read measurements.

What is the weight of the Clockwise Tools DCLR-0605 Digital Caliper?

The Clockwise Tools DCLR-0605 Digital Caliper weighs 5.28 ounces, making it lightweight and easy to handle during measurements.

What are the dimensions of the Clockwise Tools DCLR-0605 Digital Caliper?

The dimensions of the Clockwise Tools DCLR-0605 Digital Caliper are 9.25 inches in length, 1.5 inches in width, and 0.5 inches in height.

What is the repeatability of the Clockwise Tools DCLR-0605 Digital Caliper?

The repeatability of the Clockwise Tools DCLR-0605 Digital Caliper is 0.0005 inches (0.01mm), ensuring consistent measurements.

Can the Clockwise Tools DCLR-0605 Digital Caliper switch between different units of measurement?

Clockwise Tools DCLR-0605 Digital Caliper can convert between inches, millimeters, and fractions, offering versatility in measurements.

Is there a warranty for the Clockwise Tools DCLR-0605 Digital Caliper?

Clockwise Tools DCLR-0605 Digital Caliper comes with a 100% satisfaction guarantee, ensuring customer satisfaction with the product.

How easy is it to convert between units on the Clockwise Tools DCLR-0605 Digital Caliper?

Converting between units on the Clockwise Tools DCLR-0605 Digital Caliper is straightforward, with an easy-to-use button that allows for instant switching between inches, millimeters, and fractions.

What is the price difference between the different range options of the Clockwise Tools DCLR-0605 Digital Caliper?

The price may vary slightly depending on the range option chosen (6-inch, 8-inch, or 12-inch), but they all offer similar performance at affordable prices.

Why is the display not turning on my Clockwise Tools DCLR-0605 Digital Caliper?

If the display on your Clockwise Tools DCLR-0605 Digital Caliper isn't turning on, check the battery. It may be drained or improperly installed. Open the battery compartment, replace the battery (typically CR2032), and ensure it is correctly oriented.

The measurements on my Clockwise Tools DCLR-0605 Digital Caliper are not accurate. What should I do?

Inaccurate measurements may be due to dirt or debris on the measuring jaws. Clean the measuring surfaces of your Clockwise Tools DCLR-0605 Digital Caliper with a soft cloth and reset the caliper to zero by pressing the Zero button for accurate results.

Why is the display on my Clockwise Tools DCLR-0605 Digital Caliper flickering?

Flickering display on your Clockwise Tools DCLR-0605 Digital Caliper could be a sign of low battery power or electromagnetic interference. Replace the battery with a new one and keep the caliper away from strong electromagnetic fields to resolve this issue.

VIDEO – PRODUCT OVERVIEW



References **[Manuals.plus/wp-content/uploads/2024/11/Clockwise-Tools-DCLR-0605-Digital-Caliper-User-Manual.mp4](#)**

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

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