


**VINCA**

DCLA-0605  
DIGITAL  
CALIPER



## VINCA DCLA-0605 Digital Caliper User Guide

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**VINCA**

**VINCA DCLA-0605 Digital Caliper**



## INTRODUCTION

The VINCA DCLA-0605 Digital Caliper is a very accurate and dependable tool made for professionals and do-it-yourselfers who need exact measurements for their projects. With an accuracy of  $\pm 0.001$  inches (0.03mm), this digital caliper can measure from 0 to 6 inches (0 to 150 mm), so you can be sure that your numbers are always correct. It has a lightweight design and an LCD screen that is easy to read, so it can be used in a lot of places, from workplaces to home projects. This tool is flexible and easy to use. It is made of strong materials and can switch between inch and metric numbers. At just \$19.99, the VINCA DCLA-0605 is a great deal because it gives you high-quality performance at a price you can afford. The caliper, which is made by Clockwise Tools Inc., came out on November 4, 2015, and has since become a popular choice for people who need precision but don't want to spend a lot of money.

## SPECIFICATIONS

<b>Brand</b>	VINCA
<b>Range</b>	6 Inches
<b>Measurement Accuracy</b>	±0.001 Inches / 0.03mm
<b>Product Dimensions</b>	9.25 x 1.5 x 0.5 inches
<b>Weight</b>	5.28 ounces
<b>Item Model Number</b>	DCLA-0605
<b>Batteries</b>	2 LR44 batteries required
<b>Date First Available</b>	November 4, 2015
<b>Manufacturer</b>	Clockwise Tools Inc.
<b>Warranty</b>	2 years
<b>Price</b>	\$19.99

## WHAT'S IN THE BOX

- Digital Caliper
- battery
- User Guide

## FEATURES

- **Precision Accuracy:** It can measure with a high level of accuracy (±0.001 inches or 0.03 mm).
- **Multiple Modes of Measurement:** It can be used in a variety of ways and supports inch, millimeter, and fraction numbers.



- **Large LCD Screen:** It has a 13mm x 38mm LCD screen that makes reading easy and clear.
- **High precision:** It has a precision of 0.0005 inches (0.01 mm), which makes it great for measuring very small things.
- **Fractional Display:** Shows measures in fractions of up to 1/128 inch for more accurate readings.
- There is an RS232 port for sending info to a PC, but you need a VINCA DTCR-03 cable to do this.
- **Stainless Steel Construction:** It is made of strong, finely polished stainless steel so it will last a long time and work smoothly.
- **Range of Measurements:** It comes in a number of different sizes, such as 0-4", 0-6", 0-8", 0-12", and 0-24".



**External Measure**



**Depth Measure**



**Internal Measure**



**Step Measure**

- **Repeatability:** It gives exact results every time with a repeatability of 0.0005"/0.01mm.
- **User-Friendly Conversion:** It's simple to change between fractions, inches, and millimeters.
- **Battery Power:** Two LR44 batteries give it long-lasting power (an extra battery is included).

Powered by one 1.5V LR44 battery  
New battery can last about 8 months after installation



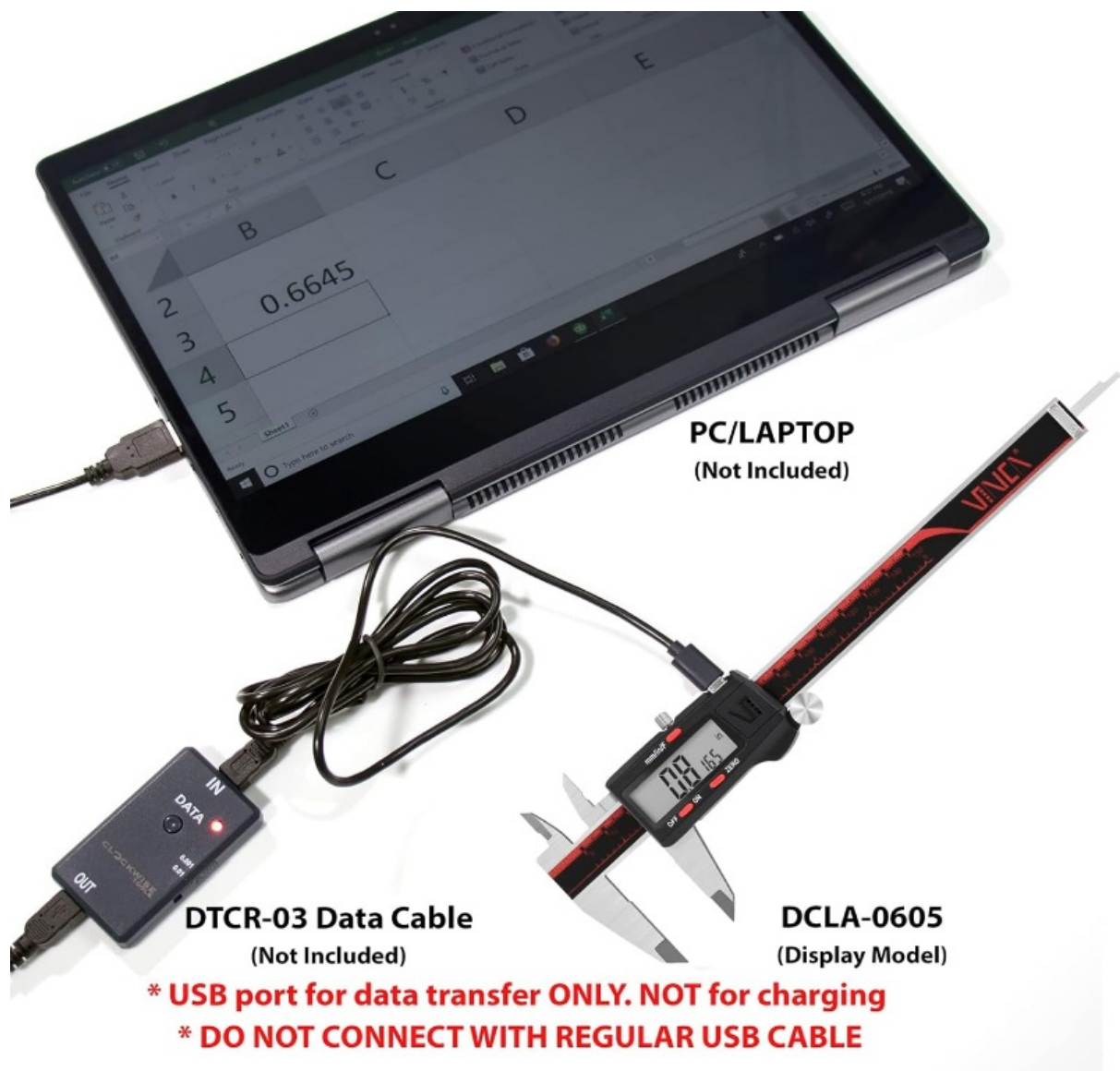
»» Display Model : DCLA-0605 6"

- **Ergonomically designed:** it has a thumb wheel that lets you make small changes by sliding it smoothly.
- **No Calibration Certificate:** Models are calibrated before they are shipped, and a NIST certificate is provided for some of them.
- **Auto Power Off:** To save battery life, it turns off by itself after 5 minutes of inaction.
- **guarantee:** For your peace of mind, it comes with a 2-year guarantee.

## SETUP GUIDE

- **Installing Batteries:** Put in two LR44 batteries, making sure they are in the right way around so the device works right.
- **Power On:** To turn on the digital caliper and start measuring, press the "ON" button.





- **Unit Selection:** To switch between inches, millimeters, and fractions, press the unit button.
- **Setting Zero:** Press the “ZERO” button while the caliper is in the place you want to set zero. This can be done anywhere on the scale.
- **Set up for data transfer:** To connect the caliper to a PC for data transfer, use the VINCA DTCR-03 wire, which is sold separately.
- **Mode of Measurement:** You can change the mode of measurement between external, internal, step, and depth as required.
- **LCD Readability:** Use the caliper to make sure that the LCD screen is clear and can be seen in a variety of lighting situations.
- **How to Lock the Measurement:** Once you have a number, use the thumb wheel to lock the measurement in place.
- **Using the Thumb Wheel:** Move the thumb wheel around to get rid of any roughness and make sure the measurements go smoothly.
- **Display Resolution Adjustment:** To get accurate readings, set the caliper to the resolution you want.
- If the screen blinks, you need to change the LR44 batteries with new ones.
- **How to Choose the Right Range:** Based on the size of the thing being measured, choose the right measurement range.
- **Putting in the RS232 wire:** To send data directly to your PC, plug the RS232 data wire into the caliper.

- **To Turn Off:** To save battery life, press the OFF button to turn off the caliper when you're done using it.
- **Check Calibration:** To get the most accurate readings, make sure the caliper is calibrated with known measurement standards before you use it.

## CARE & MAINTENANCE

- **Follow these steps to keep the stainless steel body clean :** use a soft cloth to wipe it down regularly to get rid of dirt and grease.
- **Safely Store:** When not in use, keep the caliper in a case to keep it from getting scratched or broken.
- **Avoid Water:** The caliper is water-resistant, but it will last longer if you keep it away from water for a long time.
- **Battery Care:** If the screen dims or blinks, you should replace the batteries to make sure they work properly.
- **Do Not Hit Hard:** To keep the internal parts from breaking, do not drop the caliper on hard surfaces.
- **Stop Dust From Building Up :** Keep the caliper away from dust so that the parts can move smoothly.
- **Regularly Calibrate:** To keep the caliper accurate, check that it has been calibrated according to known standards.
- **Lubrication:** Use a light lubricating oil on the rolling parts every so often to keep them moving smoothly.
- **Check for Rust:** Wipe the caliper down with a dry cloth after each use to keep it from getting rusty.
- **Be Careful:** Always hold the caliper by its body and don't put any pressure on the measuring jaws to keep them from warping.
- **Protect the LCD:** Keep it out of direct sunlight and away from temperatures that are too high or too low.
- **Stay Away from Chemicals:** Keep the caliper away from strong chemicals that could hurt the metal.
- **Store in a Dry Place:** To keep the caliper from rusting or breaking down, keep it in a dry, cool place.
- **You Should Always Use the Right wire :** To keep the caliper from breaking, you should always use the right VINCA DTOR-03 wire for data transfer.
- **Regular Checks:** Make sure the caliper works smoothly by checking it every so often for signs of wear, especially on the thumb wheel and moving parts.

## TROUBLESHOOTING



Issue	Solution
Display not turning on	Check the battery installation and replace the LR44 batteries if necessary .
Display flickering	Replace the LR44 battery if it's weak or not seated properly.
Inaccurate readings	Calibrate the caliper by resetting it to default settings.
No measurement response	Ensure the caliper is turned on and that the hold function is not active.
Buttons unresponsive	Clean the buttons to remove dirt or moisture affecting their function.
Measurement mode switching issues	Check that the caliper is set to either inches or millimeters.
Battery life draining quickly	Replace the batteries and ensure they are of good quality.
Sticky sliding mechanism	Apply a small amount of lubricant and clean the rail for smooth movement.
Error code on display	Refer to the manual for specific error code troubleshooting.
Rust or corrosion on surface	Wipe the caliper with a soft dry cloth and store in a dry environment.
Measurement freezing	Check the battery and reset the caliper if required.
Inconsistent measurements	Ensure the caliper is clean and free from debris that could interfere with readings.
Faulty reading while measuring depth	Verify that the depth rod is fully retracted when taking measurements.
Display malfunction	Try a battery replacement or contact customer support for further assistance.
Caliper not holding measurements	Tighten the locking screw to hold measurements in place.

## PROS & CONS

### Pros:

1. Exceptional accuracy of  $\pm 0.001$  inches / 0.03mm for precise measurements.
2. Lightweight (5.28 ounces) and compact, making it easy to handle and store.
3. Clear LCD display for easy reading of measurements.
4. The affordable price point at \$19.99, providing excellent value.
5. Switchable between inches and millimeters for versatility.

### Cons:

1. Powered by 2 LR44 batteries, which may need frequent replacement.
2. Limited to a range of 6 inches (150mm), which may not suit larger projects.
3. The caliper may not be suitable for extreme environmental conditions.
4. The display can sometimes be hard to read in low light.
5. Buttons may be small and could be difficult to operate for some users.

## WARRANTY

The VINCA DCLA-0605 Digital Caliper comes with a **2-year warranty** from Clockwise Tools Inc. This warranty covers defects in material or workmanship under normal use. If you experience any issues within the warranty period, you can contact customer service for assistance, which may include repair or replacement. This gives you confidence that your investment is protected and you can rely on the tool for a long period.

## FREQUENTLY ASKED QUESTIONS

What is the range of the VINCA DCLA-0605 Digital Caliper?

The VINCA DCLA-0605 Digital Caliper has a measuring range of 0 to 6 inches, allowing for accurate measurements of a variety of objects within that range.

What is the measurement accuracy of the VINCA DCLA-0605 Digital Caliper?

The VINCA DCLA-0605 Digital Caliper provides a high level of accuracy, with a tolerance of  $\pm 0.001$  inches ( $\pm 0.03$  mm) for precise measurements.

What are the dimensions of the VINCA DCLA-0605 Digital Caliper?

The VINCA DCLA-0605 Digital Caliper has dimensions of 9.25 x 1.5 x 0.5 inches, providing a compact and easy-to-handle design.

How much does the VINCA DCLA-0605 Digital Caliper weigh?

The VINCA DCLA-0605 Digital Caliper weighs 5.28 ounces, making it lightweight for convenient use without sacrificing durability.

What type of battery does the VINCA DCLA-0605 Digital Caliper require?

The VINCA DCLA-0605 Digital Caliper uses two LR44 batteries, which are commonly available and provide long-lasting power.

What is the price of the VINCA DCLA-0605 Digital Caliper?

The VINCA DCLA-0605 Digital Caliper is priced at \$19.99, offering good value for the accuracy and functionality it provides.

What is the warranty period for the VINCA DCLA-0605 Digital Caliper?

The VINCA DCLA-0605 Digital Caliper comes with a 2-year warranty, providing peace of mind regarding its quality and durability.

How do you switch between measurement units on the VINCA DCLA-0605 Digital Caliper?

The VINCA DCLA-0605 Digital Caliper features a simple button that allows users to switch between imperial and metric units with ease.

How accurate is the VINCA DCLA-0605 Digital Caliper for small measurements?

The VINCA DCLA-0605 Digital Caliper offers high accuracy for small measurements, with a tolerance of  $\pm 0.001$  inches ( $\pm 0.03$  mm), making it suitable for detailed tasks.

What material is the VINCA DCLA-0605 Digital Caliper made from?

The VINCA DCLA-0605 Digital Caliper is constructed from high-quality stainless steel, which ensures durability and resistance to wear over time.

What is the display type of the VINCA DCLA-0605 Digital Caliper?

The VINCA DCLA-0605 Digital Caliper features a digital LCD display, making it easy to read measurements clearly and accurately.

What are the key features of the VINCA DCLA-0605 Digital Caliper?

Key features of the VINCA DCLA-0605 Digital Caliper include its 0-6 inch measuring range,  $\pm 0.001$  inch accuracy, LCD display, and its durable stainless steel construction.

How does the VINCA DCLA-0605 Digital Caliper help in accurate measurement?

The VINCA DCLA-0605 Digital Caliper helps ensure accurate measurements with its high accuracy of  $\pm 0.001$  inches ( $\pm 0.03$  mm) and a clear LCD display for easy reading.

Why is the display on my VINCA DCLA-0605 Digital Caliper not turning on?

If the display of your VINCA DCLA-0605 Digital Caliper isn't turning on, it could be due to a dead or improperly installed battery. Check the battery compartment and replace the battery (typically a CR2032 coin cell) if necessary.

The measurements on my VINCA DCLA-0605 Digital Caliper seem inaccurate. What should I do?

Inaccurate readings can be caused by dirt or debris on the caliper's measuring surfaces. Clean the measuring jaws of your VINCA DCLA-0605 Digital Caliper with a soft cloth, then reset the caliper to zero to improve accuracy.

## VIDEO – PRODUCT OVERVIEW



<https://manuals.plus/wp-content/uploads/2024/11/VINCA-DCLA-0605-Digital-Caliper-User-Guide.mp4>

- [User Manual](#)

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