

Manuals.plus /

› iGaging /

› iGaging Digital Outside Caliper 35-OD6-H Instruction Manual

## iGaging 35-OD6-H

# iGaging Digital Outside Caliper Model 35-OD6-H Instruction Manual

Precision Measurement Tool for External Dimensions

## INTRODUCTION

The iGaging Digital Outside Caliper (Model 35-OD6-H) is a professional-grade precision tool designed for quick and accurate external measurements. It features a large LCD display for easy reading and supports measurements in inch, metric, and fractional units. The spring-loaded travel and friction mechanism ensure consistent and reliable results, making it suitable for various applications including woodworking, carpentry, and metal fabrication.



Image: The iGaging Digital Outside Caliper, Model 35-OD6-H, showcasing its digital display, Eazy-Grip handle, and key specifications.

## PRODUCT FEATURES

- **Large LCD Display:** Provides clear and easy-to-read measurements.
- **Spring-Loaded Travel:** Ensures smooth and consistent jaw movement for precise contact.
- **Metal Alloy Jaws with Chrome Finish:** Durable construction for long-lasting performance.
- **Multiple Measurement Modes:** Displays readings in Inch, Metric, and Fractional units.
- **Hold Function:** Allows users to freeze the displayed measurement for convenient reading.

## WHAT'S IN THE BOX

Upon opening the product packaging, you should find the following items:

- One (1) iGaging Digital Outside Caliper
- Two (2) CR2 Batteries (pre-installed or included separately)
- One (1) Instruction Manual (this document)
- One (1) Protective Case



**SAN CLEMENTE, CALIFORNIA**

Image: The iGaging Digital Outside Caliper shown with its protective storage case.

## SETUP

1. **Battery Installation:** The caliper requires two CR2 batteries. If not already installed, locate the battery compartment on the back of the digital display unit. Open the compartment, insert the batteries according to the polarity indicators, and close the cover securely.
2. **Power On:** Press the **ON/SET** button to turn on the caliper. The LCD display should illuminate.
3. **Initial Zeroing:** With the caliper jaws fully closed and clean, press the **ON/SET** button again to set the display to zero. This ensures accurate measurements.

## OPERATING INSTRUCTIONS

Follow these steps to take accurate external measurements with your digital caliper:

1. **Prepare the Caliper:** Ensure the caliper is clean and the jaws are free of debris. Power on the device and zero it by closing the jaws completely and pressing the **ON/SET** button.
2. **Position the Jaws:** Gently open the caliper jaws and position them around the external dimension of the object you wish to measure. Ensure the jaws make firm, parallel contact with the object's surface.
3. **Read the Measurement:** The measurement will be displayed instantly on the large LCD screen.
4. **Use the Friction Screw:** For stable measurements, especially when measuring multiple similar items, you can tighten the friction screw located on the top of the digital unit. This locks the jaws in place, preventing accidental movement. Loosen the screw to adjust the jaws again.

## 6" ELECTRONIC OUTSIDE CALIPER

WITH EAZY-GRIP EXTENDED HANDLE



- Resolution: 0.01"/0.1 mm/  $\frac{1}{64}$  "
- Accuracy: 0.01"
- Spring load movement for fast and easy measurement

Item #	Description
35-OD6-H	0 - 6" Electronic Outside Caliper

Image: The digital outside caliper in use, measuring the external diameter of a wooden bowl on a lathe.

### MEASUREMENT MODES

The iGaging Digital Outside Caliper supports three measurement units:

- **Millimeters (mm):** Standard metric unit.
- **Inches (in):** Standard imperial unit, displayed as decimals.
- **Fractions (F):** Imperial unit, displayed as fractions (e.g.,  $\frac{1}{4}$ ",  $\frac{1}{2}$ ").

To switch between these modes, press the **mm/in/F** button located on the digital display unit. The current mode will be indicated on the LCD screen.



Image: A close-up view of the digital display and control buttons (mm/in/F, ON/SET, HOLD, OFF) on the caliper.

## HOLD FUNCTION

The **HOLD** button allows you to freeze the current measurement on the display. This is useful when measuring in awkward positions where reading the display directly might be difficult. Press the **HOLD** button once to activate the function, and press it again to release and resume live measurement.

## MAINTENANCE

- **Cleaning:** Wipe the caliper jaws and body with a clean, dry, lint-free cloth after each use. Avoid using solvents or harsh chemicals, as these can damage the finish or electronic components.
- **Storage:** Store the caliper in its protective case in a dry, cool place, away from direct sunlight and extreme temperatures.
- **Battery Replacement:** When the display becomes dim or erratic, it's time to replace the batteries. Follow the battery installation steps in the Setup section. Dispose of old batteries responsibly.
- **Calibration:** While the caliper is factory calibrated, periodic checks against known standards are recommended for critical applications to ensure continued accuracy.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Display is blank or dim.	Low or dead batteries.	Replace the CR2 batteries.
Inaccurate readings.	Jaws are dirty or not fully closed when zeroed.	Clean the jaws and re-zero the caliper. Ensure proper contact with the object.
Display shows "Err" or erratic numbers.	Electronic interference or internal error.	Turn the caliper off and then on again. If the problem persists, replace batteries.

## SPECIFICATIONS

Feature	Detail
Model Number	35-OD6-H
Measurement Range	0-6 inches
Measurement Accuracy	±0.01"
Resolution	0.01" / 0.1 mm / 1/64"
Material	Stainless Steel
Power Source	2 x CR2 Batteries (included)
Product Dimensions	Approximately 5"L x 12"W (overall)
Item Weight	7.7 ounces

## WARRANTY AND SUPPORT

This iGaging product is typically covered by a manufacturer's warranty against defects in materials and workmanship. For specific warranty details, including duration and terms, please refer to the documentation included with your purchase or contact iGaging customer support directly.

For technical assistance, troubleshooting, or to inquire about replacement parts, please visit the official iGaging website or contact their customer service department. Keep your purchase receipt as proof of purchase for warranty claims.

**Return Policy:** Products purchased from Amazon.com typically have a 30-day return window. Please check Amazon's return policy for the most current information regarding eligibility and procedures.