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› [iGaging](#) /

› [iGaging Digital Router Table Depth Gauge and Saw Gauge User Manual](#)

### iGaging 35-0946

# iGaging Digital Router Table Depth Gauge and Saw Gauge

Model: 35-0946

## 1. INTRODUCTION

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This manual provides instructions for the proper use and maintenance of your iGaging Digital Router Table Depth Gauge and Saw Gauge. This precision tool is designed for accurate measurement and setup of router tables and table saws, ensuring precise cuts and adjustments.

## 2. PRODUCT OVERVIEW

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### 2.1 Key Features

- **Measurement Range:** 0-2 inches (0-50.8 mm)
- **Display Modes:** Inch (0.001"), Metric (0.01mm), Fractional Inch (64th)
- **Accuracy:** 0.0015"
- **Battery:** CR2032 (included)
- **Functions:** Measures Blade to Fence, Depth, Router Center, Router Depth, Router Edge to Fence, Saw Depth
- Large LCD Display for clear readings
- 3 Interchangeable Anvils for versatile applications
- Durable Anodized Aluminum Frame

### 2.2 Components

The iGaging Digital Router Table Depth Gauge consists of the main digital unit, a measuring rod, a stable base, and interchangeable anvils.



**Figure 1:** Front view of the iGaging Digital Router Table Depth Gauge. This image displays the main unit with its digital LCD screen, control buttons (Power/Zero, Hold, Mode), and the base with measurement scales in both inches and millimeters.



**Figure 2:** The three interchangeable probes included with the depth gauge. These probes allow for various measurement applications, including different diameters for router center checks and a depth extension rod.

### 3. SETUP

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#### 3.1 Battery Installation

1. Locate the battery compartment on the left side of the digital unit.
2. Open the battery cover.
3. Insert one CR2032 lithium metal battery with the positive (+) side facing outwards.
4. Close the battery cover securely.

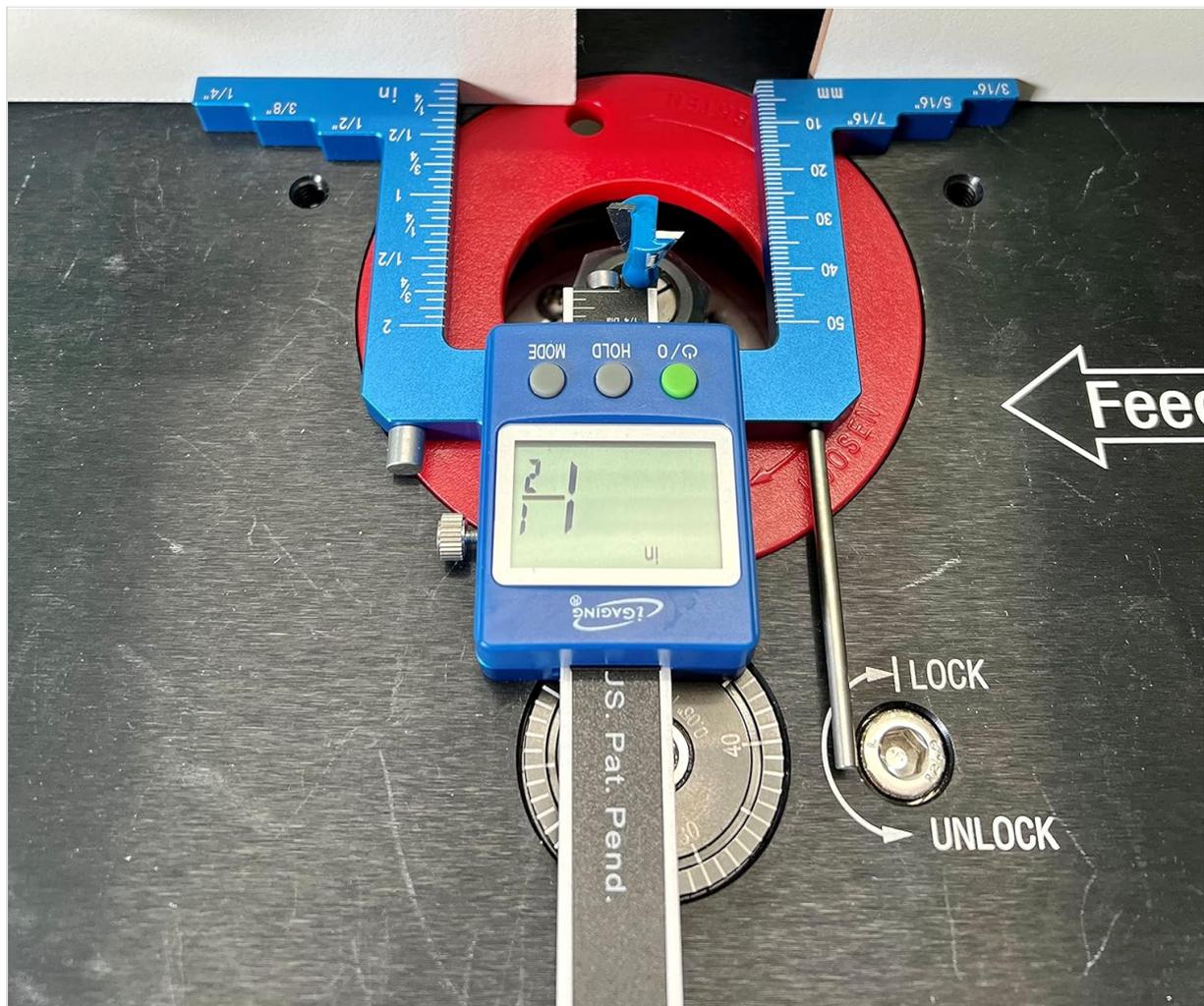
## 3.2 Attaching Anvils

The gauge comes with three interchangeable anvils. Select the appropriate anvil for your measurement task and screw it onto the bottom of the measuring rod. Ensure it is finger-tight to prevent movement during measurement.

## 4. OPERATING INSTRUCTIONS

### 4.1 Basic Functions

- **Power ON/OFF / Zero:** Press the **/0** button to turn the unit on or off. A quick press also sets the display to zero at any position.
- **Hold:** Press the **HOLD** button to freeze the current reading on the display. Press again to release.
- **Mode:** Press the **MODE** button to switch between Inch (0.001"), Metric (0.01mm), and Fractional Inch (64th) display modes.
- **Auto Power Off:** The unit will automatically power off after 5 minutes of inactivity to conserve battery life.
- **Locking Knob:** A locking knob on the right side of the unit allows you to secure the measuring rod at a specific position. Turn clockwise to lock, counter-clockwise to unlock.



**Figure 3:** Top-down view of the depth gauge positioned on a router table, illustrating the locking knob on the right side of the unit. This knob is used to secure the measuring rod in place after a measurement is taken.

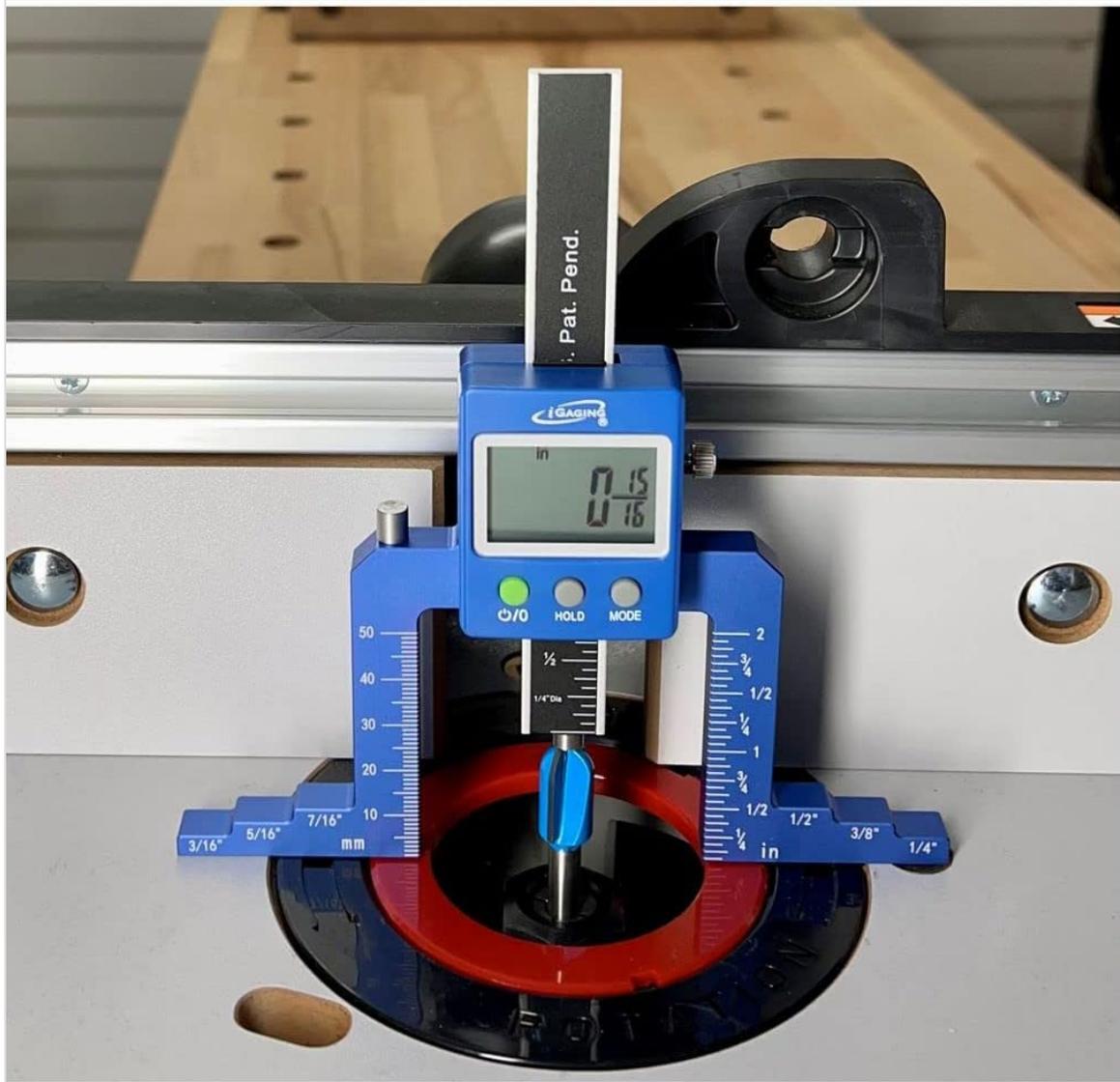
### 4.2 Measurement Procedures

Ensure the gauge is clean and the desired anvil is attached before taking measurements. Always zero the

gauge on a flat, stable surface relevant to your measurement.

### 1. Router Depth Measurement:

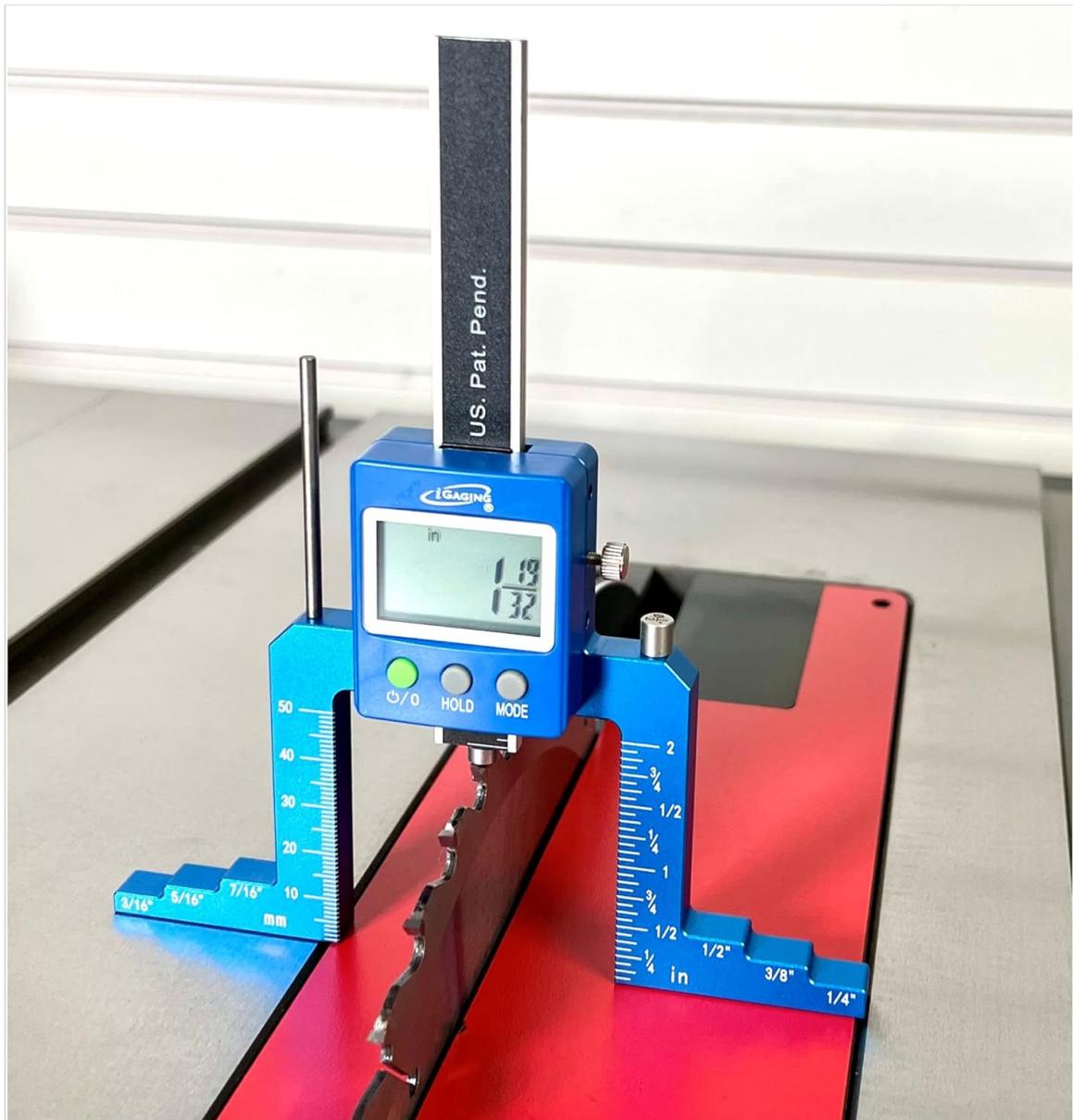
Place the gauge on the router table surface. Extend the measuring rod until it touches the highest point of the router bit. Zero the gauge. Then, lower the router bit to the desired depth and read the measurement on the display.



**Figure 4:** The depth gauge positioned on a router table, measuring the height of a router bit. The digital display shows the precise measurement.

### 2. Saw Depth Measurement:

Place the gauge on the table saw surface. Extend the measuring rod until it touches the highest point of the saw blade. Zero the gauge. Adjust the saw blade height and read the measurement on the display.



**Figure 5:** The depth gauge placed on a table saw, measuring the height of the saw blade. The digital readout provides an accurate measurement of the blade's extension above the table surface.

### 3. General Depth Measurement:

For general depth measurements, place the gauge on the reference surface. Extend the measuring rod into the recess or hole until it contacts the bottom. The display will show the depth.



**Figure 6:** The depth gauge with its measuring probe extended, demonstrating its capability for general depth measurements. The digital display shows a reading of 0.390 inches.

#### 4. **Blade to Fence / Router Edge to Fence / Router Center Measurement:**

Utilize the gauge's base and appropriate anvils to measure distances from a blade or router bit to a fence. Position the gauge against the fence or reference point and extend the probe to the desired component.

## 5. MAINTENANCE

- **Cleaning:** Wipe the gauge with a soft, dry cloth after each use to remove dust and debris. Avoid using harsh chemicals or abrasive materials.
- **Storage:** Store the gauge in a clean, dry environment, away from direct sunlight and extreme temperatures.
- **Battery Replacement:** Replace the CR2032 battery when the display becomes dim or unresponsive.

## 6. TROUBLESHOOTING

- **Display is blank or dim:** Check the battery. Ensure it is correctly installed and has sufficient charge. Replace if necessary.
- **Inaccurate readings:** Ensure the gauge is zeroed correctly on a flat, stable surface. Clean the measuring surfaces and the probe tip to remove any obstructions.
- **Buttons unresponsive:** Try removing and reinserting the battery. If the issue persists, contact customer support.

## 7. SPECIFICATIONS

<b>Manufacturer</b>	iGaging
<b>Part Number</b>	35-0946
<b>Measurement Range</b>	0-2 inches (0-50.8 mm)
<b>Display Resolution</b>	0.001" / 0.01mm / 64th
<b>Accuracy</b>	0.0015"
<b>Battery Type</b>	CR2032 Lithium Metal (1)
<b>Material</b>	Anodized Aluminum Frame
<b>Product Dimensions</b>	18.42 x 18.42 x 3.56 cm
<b>Item Weight</b>	200 g