

BANRIA 5341

BANRIA Digital Angle Finder Gauge 5341 User Manual

Model: 5341

INTRODUCTION

This manual provides detailed instructions for the safe and effective use of your BANRIA Digital Angle Finder Gauge, Model 5341. This device is designed for precise angle measurement in various applications, including woodworking, construction, and calibration. Please read this manual thoroughly before operation and retain it for future reference.

PRODUCT FEATURES

- **Easy Operation:** Simple one-button operation for angle data measurement.
- **High Accuracy:** Provides measurements with an accuracy of $\pm 0.2^\circ$ and a resolution of 0.05° .
- **Wide Measuring Range:** Measures angles from $0-360^\circ$ ($4 \times 90^\circ$).
- **High Visibility LCD Screen:** Clear display that automatically inverts when the tool is inverted for easy reading.
- **Four-Sided Magnets:** Equipped with four strong magnets for secure attachment to any metal surface.
- **Hold & Zero Functions:** Features a 'Hold' button to freeze readings and a 'Zero' button to switch between absolute and relative angle measurements.
- **Rechargeable Battery:** Built-in 400mAh USB Type-C rechargeable battery, offering approximately one week of daily use on a 1.5-2 hour charge.
- **Automatic Shut-off:** Device automatically turns off after 3 minutes of inactivity to conserve battery.
- **Compact and Portable:** Small size ($2.5 \times 2.5 \times 1.3$ inches) for use in narrow spaces, includes a portable pouch for protection.
- **IP54 Water & Dust Resistant:** Sealed design provides protection against water splashes and dust.

PACKAGE CONTENTS

Upon opening your package, please ensure all the following items are present:

- 1 x BANRIA Digital Angle Finder Gauge
- 1 x USB Type-C Charging Cable
- 1 x User Manual
- 1 x Portable Pouch

PACKAGE

What you will get with package ?



Image Description: A visual representation of all items included in the product package: the digital angle finder, a USB charging cable, the user manual, and a protective pouch.

SETUP

Charging the Device

Before initial use, fully charge the device. The BANRIA Digital Angle Finder Gauge features a built-in 400mAh rechargeable battery. A full charge typically takes 1.5 to 2 hours and provides approximately one week of daily usage.

1. Locate the USB Type-C charging port on the side of the device.
2. Connect the provided USB Type-C charging cable to the device.
3. Plug the other end of the USB cable into a compatible power source (e.g., USB wall adapter, portable power bank, car charger, or computer USB port).
4. The battery indicator on the LCD screen will show charging status. Once fully charged, disconnect the cable.

CHARGING DESIGN SAVE MONEY

Automatically turn off after 3 minutes without operate save battery and also extend using time.



1.5-2
HOURS

1
WEEK

Full Charge Working Time



Adapter



Portable power



Car charger



Computer

Image Description: The angle gauge connected to a power adapter via its USB-C port, highlighting its rechargeable battery and various charging options like portable power banks, car chargers, and computers.

OPERATING INSTRUCTIONS

Basic Operation

1. **Power On/Off:** Press the **ON/OFF** button to turn the device on or off.
2. **Display Reading:** The high-visibility LCD screen will display the angle data. The data will automatically invert when the tool is inverted, ensuring easy readability from any orientation.



Image Description: The BANRIA Digital Angle Finder Gauge, shown with its protective carrying pouch and included USB-C charging cables.

Measurement Modes: Absolute and Relative

The device supports two measurement modes:

- **Absolute Angle Measurement (ABS):** Measures the angle relative to a true horizontal surface. This is the default mode when the device is powered on.
- **Relative Angle Measurement (REL):** Allows you to set any surface as a 'zero' reference point and measure subsequent angles relative to that point.

To switch between modes:

1. Place the device on the desired reference surface.
2. Short press the **ZERO** button. The display will show "0.00°" and indicate the relative mode.
3. Move the device to measure the new angle relative to your set zero.
4. Short press the **ZERO** button again to return to Absolute Angle Measurement.

2 MEASUREMENT MODES

Short press Zero Button can switch Absolute and Relative Angle Measurement

MODE 1 ABSOLUTE ANGLE MEASUREMENT



MODE 2 RELATIVE ANGLE MEASUREMENT



Image Description: Visual guide to the two measurement modes: Absolute Angle Measurement (measuring against true horizontal) and Relative Angle Measurement (measuring an angle relative to a set zero point).

Hold and Slope Function

The **HOLD/Tilt%** button has two functions:

- **Hold Angle Data:** A short press of the **HOLD/Tilt%** button will freeze the current angle reading on the display. Press again to release.
- **Switch Angle/Slope:** A long press (2-3 seconds) of the **HOLD/Tilt%** button will switch the display between angle (resolution: 0.05°) and slope (resolution: 0.01).

2 KINDS DATE ANGLE AND SLOPE

Short press Hold Button can hold angle date , Long press Hold Button 2-3S can switch angle(Resolution :0.05°) and slope (resolution :0.01°)



Image Description: A hand interacting with the device, illustrating the 'HOLD' button's function to freeze a measurement and its long-press capability to switch between angle and slope readings.

Magnetic Base Usage

The BANRIA Digital Angle Finder Gauge is equipped with four strong magnets on its sides, allowing it to securely attach to various metal surfaces. This feature is particularly useful for hands-free operation on tools like miter saws, band saws, and table saw blades, ensuring stable and accurate measurements.

4 SIDE BUILT-IN MAGNETS FOR EASY USE

Stable stick on any metal surface



360° (4*90°) Measurement

Data also can synchronously inverted when the tool is inverted.



Image Description: Illustration of the four-sided magnetic base, allowing the gauge to attach securely to metal surfaces. The display automatically inverts for easy reading at any orientation.

Laser Function

The device includes a line laser feature to assist with alignment. The laser can be activated or deactivated by pressing the **ON/OFF** button, which also functions as the laser switch. This laser helps in visually extending the measurement line for improved accuracy in certain applications.

Q&A
<p>Could the device turn-off automatically in case I forgot?</p> <p>Yes, this angle finder can automatically turn-off after 3 minutes with no operation.</p>
<p>How to switch the mode between absolute and relative measuring?</p> <p>Step 1: Turn on the device and put it on the measure surface (default: showing angle as absolute level);</p> <p>Step 2: Press "ZERO" button show as "0:00°";</p> <p>Step 3: Newly measure and you will get the relative angle data shown.</p>
<p>How long it takes to fully charge?</p> <p>Full charge only need 1.5-2H, and you can use it for 1 week in daily work state.</p>
<p>Is it waterproof?</p> <p>IP54 water resistant, and we attach a pouch to help protect it.</p>
<p>Anyone verified its accuracy?</p> <p>Accuracy with this angle gauge is 0.2°.</p>

Image Description: An annotated diagram detailing the functions of each button and display element on the digital angle gauge, including the On/Off button, Hold/Tilt% button, Zero button, battery indicator, angle/tilt symbol, and laser switch.

Your browser does not support the video tag.

Video Description: This video provides a visual demonstration of the BANRIA Digital Angle Finder Gauge, showcasing its ease of use, display inversion, and magnetic attachment capabilities for different measurement tasks.

MAINTENANCE

To ensure the longevity and accuracy of your BANRIA Digital Angle Finder Gauge, follow these maintenance guidelines:

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the device in its portable pouch when not in use to protect it from scratches and impacts. Keep it in a dry environment.
- **Water and Dust Resistance:** The device is IP54 rated, meaning it is protected against dust ingress and splashing water from any direction. While it offers protection, avoid submerging the device in water or exposing it to heavy rain.

TROUBLESHOOTING

Here are solutions to common issues you might encounter:

- **Device does not turn on:** Ensure the battery is charged. Connect the device to a power source using the USB Type-C cable and allow it to charge for at least 15 minutes before attempting to power it on again.
- **Device turns off automatically:** This is a normal feature designed to conserve battery. The angle finder will automatically turn off after 3 minutes of no operation. Press the **ON/OFF** button to reactivate it.
- **Inaccurate readings or 'Zero' button not working as expected:** Ensure you are following the correct procedure for switching between Absolute and Relative Angle Measurement. A short press of the **ZERO** button toggles between these modes. If the issue persists, try recalibrating the device by placing it on a known level.

surface and pressing the **ZERO** button to set a new reference.

- **Display is difficult to read:** The LCD screen automatically inverts. Ensure the device is positioned so the display is facing you directly.

SPECIFICATIONS

Feature	Specification
Model Number	5341
Accuracy	±0.2°
Resolution	Angle: 0.05°, Slope: 0.01
Measuring Angle Range	0-360° (4 x 90°)
Display	High visible LCD screen
Magnets	4 strong side magnets
Battery	400mAh Built-in USB Rechargeable Lithium Ion
Charging Time	1.5-2 hours
Working Time (Full Charge)	Approx. 1 week (daily usage)
Automatic Shut-off	3 minutes of inactivity
Water & Dust Resistance	IP54
Product Dimensions	2.5 x 1.3 x 2.5 inches
Item Weight	5.3 ounces
Manufacturer	Wenzhou Weidu Electronics Co., Ltd

WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or service inquiries, please refer to the contact details provided with your purchase documentation or visit the official BANRIA website. Please retain your proof of purchase for warranty claims.