

Huepar AG01

Huepar AG01 Digital Angle Gauge User Manual

Your guide to precise angle and inclination measurements

1. INTRODUCTION

The Huepar AG01 Digital Angle Gauge is a versatile and compact tool designed for precise angle and inclination measurements. It features a clear LCD display with backlight, a magnetic base, and a V-groove for various applications. This manual provides detailed instructions for its setup, operation, and maintenance, ensuring you get the most accurate results from your device.

2. PRODUCT OVERVIEW

Familiarize yourself with the components of your Huepar AG01 Digital Angle Gauge.



Figure 1: Huepar AG01 Digital Angle Gauge components and dimensions.

Package Contents

Your Huepar AG01 Digital Angle Gauge package includes the following items:

- Digital Angle Gauge (AG01)
- User Manual (Japanese)
- Dedicated Screwdriver
- Dedicated Carrying Case
- AAA Batteries (x2) for testing

セット内容



デジタル角度計



日本語取扱説明書



専用ドライバー



パッキングケース



専用ケース



テスト用電池

Figure 2: All items included in the Huepar AG01 Digital Angle Gauge package.

3. SETUP

3.1 Battery Installation

1. Locate the battery cover on the back of the device.
2. Use the provided screwdriver to loosen the screw on the battery cover.
3. Insert two AAA batteries, ensuring correct polarity (+/-).
4. Replace the battery cover and tighten the screw.



Figure 3: Battery installation using the dedicated screwdriver.

4. OPERATING INSTRUCTIONS

4.1 Power ON/OFF

Press the **ON/OFF** button (usually marked with a power symbol) to turn the device on or off. The device features an automatic power-off function to conserve battery life.

4.2 Display Features

- **Backlight:** The LCD display is equipped with a backlight, making it easy to read measurements even in dimly lit environments.
- **Auto-Rotating Display:** The display automatically rotates to ensure easy readability when the device is inverted.
- **Bubble Vial:** In addition to the digital display, a high-visibility bubble vial is included for quick, approximate horizontal checks, or when the digital display's battery is low.



Figure 4: Bubble vial for quick horizontal checks.

バックライト搭載、暗い場所でも使用可能



Figure 5: Backlight feature for visibility in dark areas.

4.3 Measurement Modes

- **Absolute Measurement:** Measures the angle relative to a true horizontal surface.
- **Relative (Comparative) Measurement:** Allows you to set any angle as a reference point (0°) for subsequent measurements. Press the **ZERO** button to switch to relative measurement mode.

4.4 Unit Switching

Press the **MODE** button to cycle through different measurement units: degrees (°), percentage (%), and mm/m.

4.5 Hold Function

Press the **HOLD** button to freeze the current measurement on the display, which is useful for reading values in hard-to-see locations.

通常測定

置かれている面と水平の角度の差を表示



比較測定

任意の位置にての0設定が可能



表示切替

°、%、mm/mnの表示切り替え可能



ホールド機能

測定値を固定可能



Figure 6: Illustration of normal measurement, comparative measurement, unit switching, and hold function.

4.6 Magnetic Base and V-Groove

The device features a magnetic base for easy attachment to metal surfaces, making it convenient for measuring vertical surfaces like steel frames or ceilings. The measuring surface also has a V-groove, allowing for stable placement and measurement on pipes.



ベースは磁石付きで鉄骨や鋼管等の工事に便利！
上下逆さにしても、自動で見やすい上向き表示になります。



測定面（3面）にV字型溝付で
パイプ測定もできます。

Figure 7: Magnetic base and V-groove for versatile measurements.

4.7 Portability

The compact, palm-sized design makes the AG01 easy to carry in your pocket. A dedicated case is included, which can be attached to a belt, allowing for quick access and improved work efficiency.



小型で持ち運び便利

専用ケースはベルトに付け可能で、必要な時にサッと取り出せ、作業効率が向上します。

Figure 8: Compact design and belt-attachable case for easy portability.

5. CALIBRATION

To ensure the highest accuracy, it is recommended to calibrate your digital angle gauge periodically. The AG01 features a calibration function.

5.1 Calibration Procedure

For a detailed visual guide on calibration, please refer to the video below:

Video 1: Digital Angle Gauge Measurement and Calibration Procedure. This video demonstrates how to measure and calibrate a digital angle gauge, including power on/off, unit switching, hold function, and the step-by-step calibration process.

6. MAINTENANCE

6.1 Cleaning

Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents, as they may damage the display or casing.

6.2 Storage

When not in use, store the digital angle gauge in its dedicated carrying case in a dry, cool place, away from direct sunlight and extreme temperatures. Remove batteries if storing for extended periods to prevent leakage.

7. TROUBLESHOOTING

7.1 "Err" Displayed

If "Err" is displayed, it indicates that the device has been tilted too far in the front or back direction. Return the device to a stable position within its measurement range.

Video 2: Digital Angle Gauge Error Display. This video demonstrates the 'Err' message appearing when the device is tilted beyond its operational limits.

7.2 Inaccurate Readings

If you suspect inaccurate readings, perform the calibration procedure as described in Section 5.1. Ensure the measuring surface is clean and free of debris.

7.3 Low Power Indication

The device will display a low power indicator when the batteries need to be replaced. Refer to Section 3.1 for battery installation instructions.

8. SPECIFICATIONS

Feature	Detail
Brand	Huepar
Model Number	AG01-JP
Material	ABS Plastic
Color	Black
Product Dimensions (L x W)	6.2 cm x 6.8 cm
Product Weight	100 grams
Angle Measurement Accuracy	$\pm 1^\circ$ at 0° and 90° , $\pm 2^\circ$ otherwise
Level Measurement Units	Degrees, Percentage, Millimeters/Meter
Operation Mode	Automatic

Level Measurement Type	Bubble and Digital
Special Features	Magnetic base, V-groove, Backlight, Auto-off, Display inversion, Relative measurement, Hold function, Calibration function, Low power display

9. WARRANTY AND SUPPORT

The Huepar AG01 Digital Angle Gauge comes with a 1-year warranty. In the event of a product defect occurring during the warranty period, the manufacturer will confirm the issue and provide a free replacement with a new product. For support or warranty claims, please contact Huepar customer service through your purchase platform or the official Huepar website.

10. ADDITIONAL RESOURCES

Explore more features and applications of digital angle gauges with these helpful videos:

Video 3: Huepar Digital Angle Gauge (AG03) Overview. This video showcases the features of a Huepar digital angle gauge, including single/dual axis modes, magnetic base, zero function, unit conversion, and hold function.

Video 4: Huepar Digital Angle Gauge (AG2L) Features. This video highlights the LCD display, compact size, waterproof, and dustproof features of a Huepar digital angle gauge.

Video 5: Digital Angle Gauge Basic Usage. This video demonstrates general applications and features of a digital angle gauge.

Video 6: Digital Inclinator Demonstration. This video shows the functionality of a digital inclinometer in various settings.

Video 7: Magnetic Digital Angle Gauge Features. This video illustrates the magnetic capabilities and other features of a digital angle gauge.

Video 8: Huepar DL141 Digital Angle Gauge. This video demonstrates the precision and various measurement modes of a Huepar digital angle gauge.

Video 9: SHAHE MINI Magnetic Level Gauge. This video provides an overview of a magnetic level gauge with digital angle finder and Japanese instructions.

Video 10: AUTOUTLET Digital Angle Gauge with Four-Sided Magnets. This video demonstrates the features of a digital angle gauge with magnets on four sides.

Video 11: Angle Gauge Introduction. This video provides a general introduction to angle gauges and their uses.