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ALLmeter ALL006

ALLmeter Digital Angle Finder Level User Manual

Model: ALL006

PRODUCT OVERVIEW

The ALLmeter Digital Angle Finder is a versatile and high-precision electronic gauge designed for accurate angle measurement in various applications. It features a wide measurement range, multiple units, and a clear backlit LCD display for ease of use in different lighting conditions. Its robust design includes a magnetic V-slot base and a built-in bubble level, making it an indispensable tool for professionals and DIY enthusiasts.



Image: The ALLmeter Digital Angle Finder, showing its main unit, two AAA batteries, a mini screwdriver, and a black carry bag.

Key Features:

- **High Accuracy:** Measures 0-360° with 0.1° accuracy at 0° and 90°, and 0.2° at other angles.
- **Multiple Units:** Supports degrees (°), percent (%), millimeters per meter (mm/m), and inches per foot (in/ft).
- **Backlit LCD Display:** Ensures clear readability in both bright and low-light environments.
- **Magnetic V-Slot Base:** Allows secure attachment to various metal surfaces, including curved ones.
- **Built-in Bubble Level:** Provides traditional leveling capabilities without requiring power.
- **Automatic Inverted Display:** Screen orientation adjusts automatically when the device is upside down.
- **HOLD Function:** Freezes the current measurement on the display.
- **Zero Function:** Enables setting a relative zero angle on any reference surface.
- **Automatic Shut-off:** Conserves battery life by turning off after 3 minutes of inactivity.
- **Durable Design:** Constructed from premium ABS material with an IP52 waterproof rating.

PACKAGE CONTENTS

Upon opening the package, please verify that all items are present and in good condition:

- 1 x ALLmeter Digital Angle Finder
- 2 x AAA Batteries
- 1 x Carry Bag
- 1 x Mini Screwdriver
- 1 x User Manual (this document)

SETUP

1. Battery Installation

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

The device is now ready for use. A low battery indicator will appear on the display when the batteries need replacement.

OPERATING INSTRUCTIONS

Device Components:



Image: A detailed diagram highlighting the Horizontal Bubbles, VA LCD display, ZERO Button / ON/OFF, MODE Button, HOLD Button, Magnetic V-groove, and screw. Key specifications like 4x90° Measuring Range, $\pm 0.1^\circ/\pm 0.2^\circ$ Accuracy, 0.05° Resolution, and IP52 Waterproof rating are also shown.

- ZERO Button / ON/OFF:** Press to turn the device on or off. Press briefly to set the relative zero angle.
- MODE Button:** Press to cycle through the four measurement units (degrees, percent, mm/m, in/ft).
- HOLD Button:** Press to freeze the current measurement on the display. Press again to release.
- VA LCD Display:** Shows angle readings, unit indicators, battery status, and other information.
- Horizontal Bubbles:** Traditional spirit level vials for quick visual leveling.
- Magnetic V-groove Base:** Allows secure attachment to flat or curved metal surfaces.

Measurement Modes:

The device supports two primary measurement modes:

Two measurement modes

Mode 1: Absolute angle measurement

Use a level surface as the reference surface.



Mode 2: Relative angle measurement

Lightly press the ZERO button to set it as the reference surface.



Image: Two diagrams illustrating the measurement modes. Mode 1 shows Absolute angle measurement, using a level surface as a reference. Mode 2 shows Relative angle measurement, where the ZERO button is pressed to set a new reference surface.

1. Absolute Angle Measurement:

In this mode, the device measures the angle relative to a true horizontal or vertical plane. Simply place the device on the surface you wish to measure. The display will show the angle relative to gravity.

2. Relative Angle Measurement (Zero Function):

This mode allows you to set any surface as a temporary zero reference. Place the device on your desired reference surface, then briefly press the **ZERO** button. The display will show "0.00°" and subsequent measurements will be relative to this new zero point. This is useful for measuring the difference in angles between two surfaces.

Changing Measurement Units:

Four measurement units



1 ° degrees



2 % Percentage



3 mm/m millimetres/metres



4 IN/FT inches/ft

Image: Four separate displays of the angle finder, each showing a different measurement unit: degrees (°), percentage (%), millimeters per meter (mm/m), and inches per foot (in/ft).

Press the **MODE** button repeatedly to cycle through the available measurement units: degrees (°), percent (%), mm/m, and in/ft. The active unit will be indicated on the LCD display.

HOLD Function:

To freeze the current measurement on the display, press the **HOLD** button. This is useful for recording readings in difficult-to-view positions. Press the **HOLD** button again to release the measurement and return to live readings.



1 HOLD Function
Allows the screen to remain readable.

2 Magnetic V-slot on the bottom
Can be attached to curved surfaces.



3 Data automatically reverses
It remains easily readable even when the product is inverted.

Image: Three key features are illustrated: 1) The HOLD function, showing the display frozen. 2) The Magnetic V-slot on the bottom, demonstrating its ability to attach to curved surfaces like pipes. 3) The data automatically reverses, ensuring readability even when the product is inverted.

Automatic Inverted Display:

The display automatically inverts its orientation when the device is turned upside down, ensuring that the readings are always upright and easy to read, regardless of the device's position.

Magnetic V-Slot Base and Horizontal Bubble:

The integrated magnetic V-slot base allows the angle finder to securely attach to various metal surfaces, including pipes and saw blades, for hands-free operation. The built-in horizontal bubble vial provides a quick visual reference for leveling, even when the device is powered off.



VA LCD display

Clear readings even at night.



Horizontal bubble

The direction of tilt can be determined even if the instrument is not powered.

Image: The angle finder's VA LCD display is shown, emphasizing its clear readability even at night. Below it, the horizontal bubble is highlighted, indicating that the direction of tilt can be determined even when the instrument is not powered.

Automatic Shut-off:

To conserve battery life, the device will automatically power off after 3 minutes of inactivity. Press the **ZERO / ON/OFF** button to turn it back on.

MAINTENANCE

Cleaning:

Wipe the device with a soft, dry cloth. For stubborn dirt, a slightly damp cloth can be used. Do not use abrasive cleaners, solvents, or immerse the device in water.

Storage:

When not in use for extended periods, remove the batteries to prevent leakage. Store the device in its provided carry bag.

in a cool, dry place, away from direct sunlight and extreme temperatures.

Waterproof Rating (IP52):

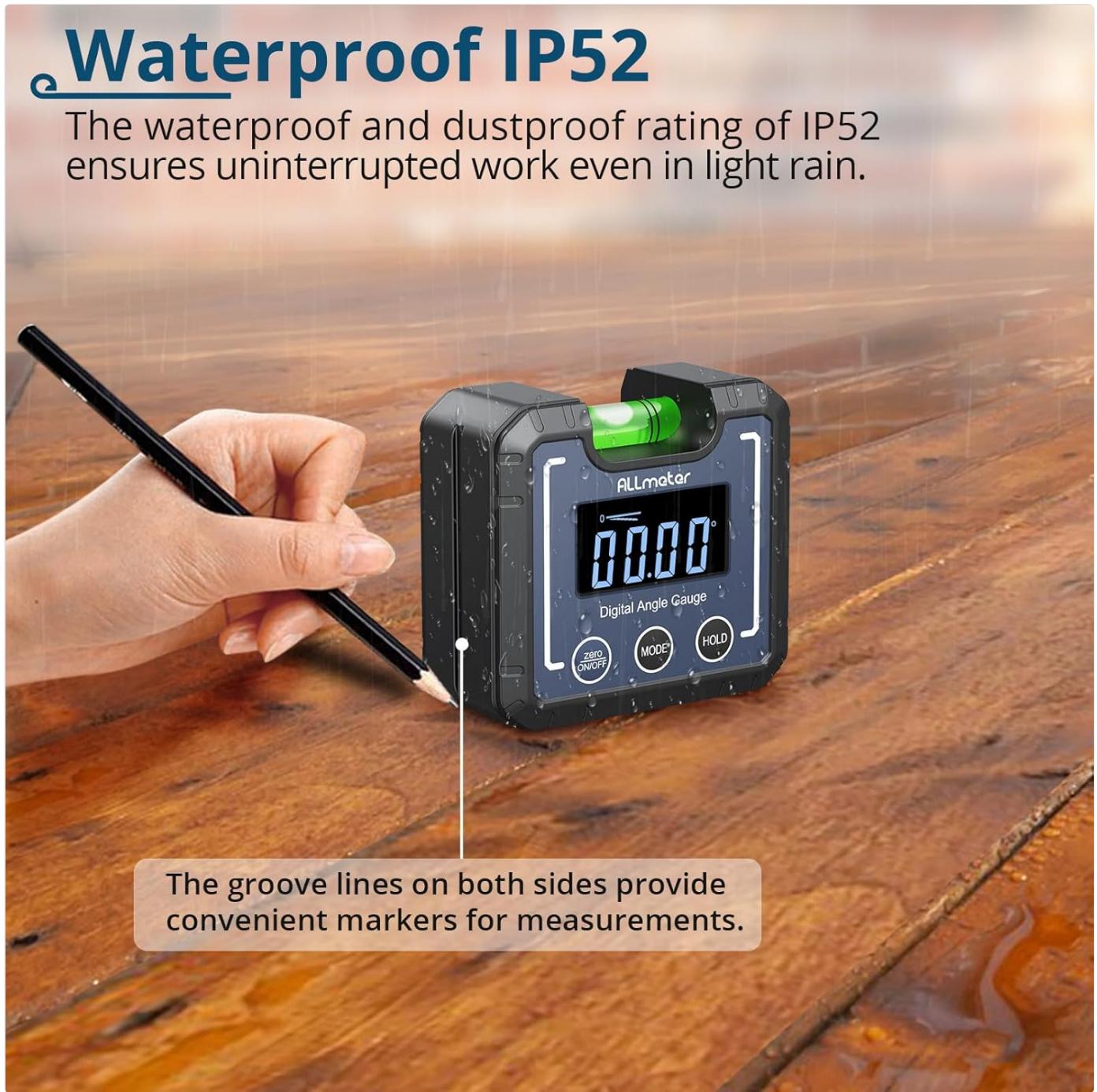


Image: The angle finder is shown on a wet wooden surface, emphasizing its IP52 waterproof and dustproof rating, which ensures uninterrupted operation even in light rain. The groove lines on both sides of the device are also highlighted as convenient markers for measurements.

The ALLmeter Digital Angle Finder has an IP52 rating, meaning it is protected from limited dust ingress and from water spray less than 15 degrees from vertical. While it can withstand light rain, it is not designed for immersion in water or heavy water exposure.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Device does not turn on.	Batteries are dead or incorrectly installed.	Check battery polarity. Replace with new AAA batteries.
"Error" displayed on screen.	Device tilted more than 30° from the measurement surface.	Place the device on a flat, stable surface. Ensure the angle being measured is within the operational range.
Inaccurate readings.	Device not properly calibrated (zeroed) or unstable surface.	Perform the zero function on a known level surface. Ensure the device is stable during measurement.
Display is dim or flickering.	Low battery.	Replace batteries.

SPECIFICATIONS



Specifications

Measuring range	4*90° (0 ~ 360°)
4 Unit of measurement	°degrees / % / mm/m / IN/FT
Precision of Digital Display	±0.1° at 0° and 90°, ±0.2° at 1°-89°
Resolution	0.05°
Waterproof	IP42
Material	ABS
Power	2 *AAA battery

Image: A table detailing the specifications of the ALLmeter Digital Angle Finder, including Measuring range, Unit of measurement, Precision of Digital Display, Resolution, Waterproof rating, Material, and Power source.

Feature	Detail
Measuring Range	0-360° (4 x 90°)
Accuracy	±0.1° at 0° and 90°, ±0.2° at other angles
Resolution	0.05°
Measurement Units	Degrees (°), Percent (%), mm/m, in/ft
Waterproof Rating	IP52
Material	ABS
Power Source	2 x AAA Batteries
Product Dimensions	2.76 x 1.18 x 2.36 inches
Weight	3.53 ounces
Model Number	ALL006

WARRANTY AND SUPPORT

Warranty Information:

This product is covered by a standard manufacturer's warranty. For specific details regarding warranty duration and terms, please refer to the warranty card included in your product packaging or contact the manufacturer directly.

Customer Support:

For technical assistance, troubleshooting, or inquiries regarding your ALLmeter Digital Angle Finder, please contact ALLmeter customer support. You can typically find contact information on the manufacturer's official website or through the retailer where the product was purchased.

Manufacturer: Allmeter

For more information, visit the [ALLmeter Store on Amazon](#).

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This manual is for informational purposes only and may be subject to change without notice.

Related Documents - ALL006

<p>PINLESS INDUCTIVE MOISTURE METER</p> <p>PLEASE READ ALL OF THE INSTRUCTIONS BEFORE USING THE MOISTURE METER.</p> <p>This device is a non-invasive (pen-like) instrument that can measure the moisture content of the wall, masonry, softwood and hardwood. It comes with 8 grades of wood density are available.</p> <p>FEATURES</p> <ul style="list-style-type: none"> • Display: LCD display • Display wood density • Alert value setting • Low battery indication • Non-destructive measurement <p>TECHNICAL SPECIFICATIONS</p> <ul style="list-style-type: none"> • Softwood measurement range: 0-65% • Hardwood measurement range: 0-36% • Wall measurement range: 0-36% • Masonry measurement range: 0-33% • Moisture readings of WALL and MASONRY are: relative values, not absolute values <p>MEASURING PROCEDURE</p> <p>SOFTWOOD and HARDWOOD 4MHz WALL and MASONRY: relative readings</p> <ul style="list-style-type: none"> • Operation temperature: 0°C-40°C • Storage temperature: -10°C-50°C • Operation humidity: 10-90% RH • Power supply: 3 x 1.5V AAA batteries • Auto power-off: 3 x 5 minutes without operation  <p>EN-01</p>	<p>Pinless Inductive Moisture Meter User Manual</p> <p>Instructions and specifications for the ALLmeter Pinless Inductive Moisture Meter, a non-invasive instrument for measuring moisture content in walls, masonry, softwood, and hardwood. Includes features, technical specifications, accuracy, operation, and wood density tables.</p>
<p>Overview</p> <p>6000counts is a pocket 3 1/2 true effective value, pen type intelligent multimeter. It does not need to turn the dial to select the function. According to the difference of input voltage, the intelligent multimeter will automatically identify and measure. The machine has stable performance, high accuracy, high reliability, clear reading and convenient operation. Operated by a AAA 1.5V battery, the instrument uses a large screen LCD display with boost power supply. Even at the edge of a 0.8V low battery, the backlight and the ultra-high brightness LCD display can still be guaranteed. The meter is portable and is extremely popular with users. This series of instruments can automatically identify DCV, ACV, DC resistance, AC resistance, without any switching, and can also manually switch to measure diodes. Non-contact voltage measurement and zero-injector measurement are excellent tools and means, and are new tools for laboratories, factories, radio lovers and families.</p> <p>EN-01</p>	<p>ALLmeter 6000 Counts Pen Type Intelligent Multimeter User Manual</p> <p>User manual for the ALLmeter 6000 Counts pen-type intelligent multimeter. Covers overview, safety precautions, general and technical characteristics, operation panel description, technical indicators for DCV/ACV, resistance, and diode measurements, troubleshooting, and warranty information.</p>