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> XUNTOP 4x90° Digital Angle Finder Model 5518-A Instruction Manual

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Precision Angle Measurement Tool

INTRODUCTION

Thank you for choosing the XUNTOP 4x90° Digital Angle Finder, Model 5518-A. This precision tool is designed to provide accurate angle measurements for a wide range of applications, including woodworking, construction, and mechanical tasks. Its robust design, strong magnetic base, and clear LCD display ensure reliable performance and ease of use. Please read this manual thoroughly before operating the device to ensure proper usage and to maximize its lifespan.

PRODUCT FEATURES

- **High Accuracy:** Measures angles with a resolution of 0.05° and an accuracy of $\pm 0.2^\circ$, across a 4x90° (0-360°) range.
- **Strong Magnetic Base:** Equipped with a powerful built-in magnet for secure attachment to metal surfaces, allowing for hands-free operation.
- **Dual Measurement Modes:** Easily switch between absolute measurement mode (ABS) and relative measurement mode (ZERO) for differential angle measurements.
- **Unit Switching:** Convert between degrees (°) and percentage (%) for versatile applications.
- **Data Hold Function:** Freeze the current reading on the display for convenient viewing.
- **Clear LCD Display:** Large, backlit VA display for easy readability in various lighting conditions.
- **Power Saving:** Features auto-sleep after 30 seconds of inactivity and auto-power-off after 3 minutes to conserve battery life.
- **Compact and Portable:** Small dimensions (2.36 x 2.36 x 0.79 inches) and lightweight (3.52 ounces) for easy handling and storage.

PACKAGE CONTENTS

Upon unpacking, please ensure all items listed below are present and in good condition:

- 1 x XUNTOP Digital Angle Finder (Model 5518-A)

- 2 x AAA Batteries
- 1 x Mini Screwdriver
- 1 x User Manual



Image: The XUNTOP Digital Angle Finder, its packaging, two AAA batteries, and a mini screwdriver.

SPECIFICATIONS

Feature	Specification
Model Number	5518-A
Measuring Range	4 x 90° (0-360°)
Accuracy	±0.2°
Resolution	0.05°
Repeatability	0.1°
Power Source	2 x AAA Alkaline Batteries
Auto-Sleep	30 seconds
Auto-Power-Off	3 minutes
Dimensions	2.36 x 2.36 x 0.79 inches (62 x 62 x 20 mm)
Item Weight	3.52 ounces
Material	Plastic

Color

Black and Red

Compact and Portable



Image: The compact dimensions of the XUNTOP Digital Angle Finder.

SETUP

1. Battery Installation

1. Locate the battery compartment on the back of the device.
2. Use the included mini screwdriver to open the battery cover.
3. Insert two AAA alkaline batteries, ensuring correct polarity (+/-).
4. Replace the battery cover and secure it with the screw.

2. Power On/Off

- Press the **ON/OFF** button to power on the device. The LCD display will illuminate.
- To power off, press and hold the **ON/OFF** button for a few seconds, or allow the device to auto-power-off after 3 minutes of inactivity.

VA Large Display



Image: The VA large display of the digital angle finder, showing its various indicators.

OPERATING INSTRUCTIONS

1. Absolute Measurement Mode (ABS)

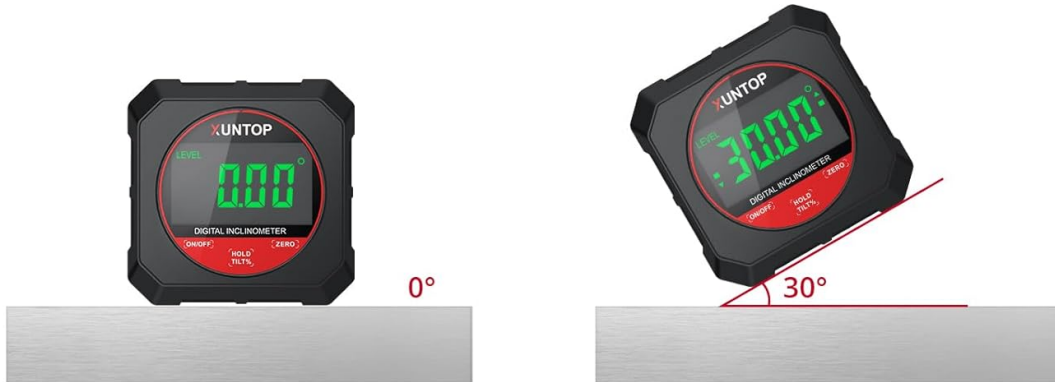
When powered on, the device defaults to Absolute Measurement Mode. In this mode, the display shows the angle relative to a true horizontal surface (0°). Place the angle finder on a flat, level surface to establish the 0° reference.

2. Relative Measurement Mode (ZERO)

To measure the angle difference between two surfaces, use the Relative Measurement Mode:

1. Place the angle finder on the first surface.
2. Press the **ZERO** button briefly. The display will show 0.00° , indicating this surface is now the reference point.
3. Move the angle finder to the second surface. The display will show the angle difference relative to the first surface.

Absolute and Relative Measurement Modes



Power-on Default: Absolute Measurement Mode



Short Press ZERO Button to Switch to Relative Mode

Image: The digital angle finder demonstrating absolute measurement (0° on a flat surface, 30° on an incline) and relative measurement (setting 0° on an incline, then measuring a further 15° tilt).

3. Unit Switching (Degrees / Percentage)

Press the **HOLD/TILT%** button briefly to switch the measurement unit between degrees (°) and percentage (%).

4. Data Hold Function

To hold the current measurement on the display, press and hold the **HOLD/TILT%** button until "HOLD" appears on the screen. Press it again to release the hold function.

5. Magnetic Base Usage

The strong magnetic base allows the angle finder to attach securely to ferrous metal surfaces, such as saw blades, metal pipes, or machinery. This enables hands-free measurement and ensures stability.



Image: The digital angle finder magnetically attached to a metal pipe, showing its hands-free capability.

6. Error Display

If the device is tilted excessively (e.g., forward or backward beyond 30° from its initial orientation), an "Err" message may be displayed. This indicates that the measurement is outside the optimal operating range or that the device needs to be repositioned for a stable reading.

Correct Measuring



Wrong Measuring

(The front and rear tilt exceeds 30°, and the screen displays Err)



Image: Visual guide showing correct measurement (flat on surface) and incorrect measurement (excessive tilt resulting in 'Err' display).

7. Applications

The XUNTOP Digital Angle Finder is suitable for various tasks:

- Setting precise miter and bevel angles on table saws, miter saws, and band saws.
- Checking and adjusting angles for woodworking joints and furniture assembly.
- Measuring slopes and inclines in construction projects.
- Calibrating machinery and equipment in manufacturing.
- Ensuring level surfaces for installations and decorations.

Ideal for Woodworking Construction and Table Saw



Image: Examples of the digital angle finder in use for woodworking, construction, and table saw adjustments.

8. Product Video

Your browser does not support the video tag.

Video: An official XUNTOP video demonstrating the features and usage of the Digital Angle Finder, including absolute and relative measurement modes, unit conversion, data hold, and magnetic base functionality.

CALIBRATION

The XUNTOP Digital Angle Finder is factory-calibrated for accuracy. If you suspect the device requires re-calibration due to significant impact or prolonged use, please refer to the manufacturer's official support channels for guidance. User-level calibration steps are not provided in this manual.

MAINTENANCE

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the angle finder in a dry place, away from direct sunlight and extreme temperatures. Remove batteries if the device will not be used for an extended period to prevent leakage.
- **Protection:** Avoid dropping the device or subjecting it to strong impacts, as this may affect its accuracy.

TROUBLESHOOTING

- **Device does not power on:** Check if the batteries are inserted correctly and have sufficient charge. Replace batteries if necessary.
- **"Err" displayed:** This indicates the device is tilted beyond its stable measurement range or has experienced a sudden movement. Reposition the device on a stable surface and try again.
- **Inaccurate readings:** Ensure the measurement surface is clean and free of debris. If issues persist, consider contacting customer support for potential re-calibration.

WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the XUNTOP official website or contact the retailer where the product was purchased. Keep your purchase receipt as proof of purchase for warranty claims.