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## Huepar TL25

# Huepar TL25 Digital Level Ruler User Manual

Model: TL25

## 1. INTRODUCTION

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Thank you for choosing the Huepar TL25 Digital Level Ruler. This precision instrument is designed for accurate angle and level measurements in various applications. It combines traditional spirit levels with a digital display for enhanced versatility and readability. Please read this manual thoroughly before operating the device to ensure safe and correct usage.

## 2. SAFETY INFORMATION

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- Always handle the device with care to prevent damage.
- Do not expose the device to extreme temperatures, moisture, or direct sunlight for prolonged periods.
- Keep the device away from strong magnetic fields, which may affect its accuracy.
- Do not attempt to disassemble or modify the device. Repairs should only be performed by authorized personnel.
- Dispose of batteries according to local regulations.

## 3. PRODUCT OVERVIEW

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The Huepar TL25 Digital Level Ruler features a robust design with both digital and traditional bubble levels. Key components include a backlit LED display, control buttons, horizontal and vertical spirit levels, a magnetic base, and a V-groove for measuring cylindrical objects.



**Figure 3.1:** Overview of the Huepar TL25 Digital Level Ruler with labeled components. This image highlights the LED display, power button, audible buzzer, horizontal and vertical spirit levels, unit selection, relative angle measurement button, and the save reading (HOLD) button. The overall length is approximately 15.7 inches.

### Key Features:

- **Digital LED Display:** Provides clear, precise angle readings.
- **Dual Spirit Levels:** For traditional horizontal and vertical leveling.
- **Magnetic Base:** Allows for secure attachment to metal surfaces.
- **V-Groove:** Facilitates stable placement on cylindrical pipes and conduits.
- **Multiple Measurement Units:** Degrees (°), Percentage (%), mm/m, and in/ft.
- **Hold Function:** Freezes the current reading on the display.
- **Relative Angle Measurement:** Allows setting a new zero reference.
- **Audible Indicator:** Alerts when the device reaches 0° or 90°.
- **Automatic Display Reversal:** Display automatically flips when the level is inverted.

## 4. SETUP

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### 4.1 Battery Installation

1. Locate the battery compartment cover on the device.
2. Open the cover and insert the required button cell batteries, ensuring correct polarity (+/-).
3. Close the battery compartment cover securely.

### 4.2 Power On/Off

Press the **ON/OFF** button to power on the device. Press and hold the **ON/OFF** button to power off the device. The device may also feature an auto-off function to conserve battery life after a period of inactivity.

## 5. OPERATION

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### 5.1 Measurement Accuracy

The TL25 Digital Level Ruler offers high accuracy for precise measurements. The resolution is accurate to 0.05°.



Figure 5.1: The digital level ruler displaying its accuracy. It shows an accuracy of  $\pm 0.1^\circ$  at  $0^\circ$  and  $90^\circ$ , and  $\pm 0.2^\circ$  at other angles.

## 5.2 Unit of Measurement Selection

Press the **MODE** button to cycle through the available measurement units: Degrees ( $^\circ$ ), Percentage (%), mm/m, and in/ft.



Figure 5.2: The digital level ruler demonstrating its four unit measurement selections: Degree (°), Percentage (%), mm/m, and in/ft.

### 5.3 Relative Angle Measurement (ZERO Function)

To measure a relative angle, place the level on a reference surface and press the **ZERO** button. The display will show 0.00°, establishing this as your new reference point. Any subsequent movement will show the angle relative to this set zero.



## RELATIVE ANGLE MEASUREMENT



Figure 5.3: Illustration of relative angle measurement. The level is first set to 0° on a 30° surface, then moved to a 40° surface, displaying a relative angle of 10°.

### 5.4 Hold Function

Press the **HOLD** button to freeze the current reading on the display. This is useful for taking measurements in hard-to-see areas. Press **HOLD** again to release the reading and resume live measurement.

### 5.5 Automatic Display Reversal

The digital display automatically reverses its orientation when the level is turned upside down, ensuring readability from any position.

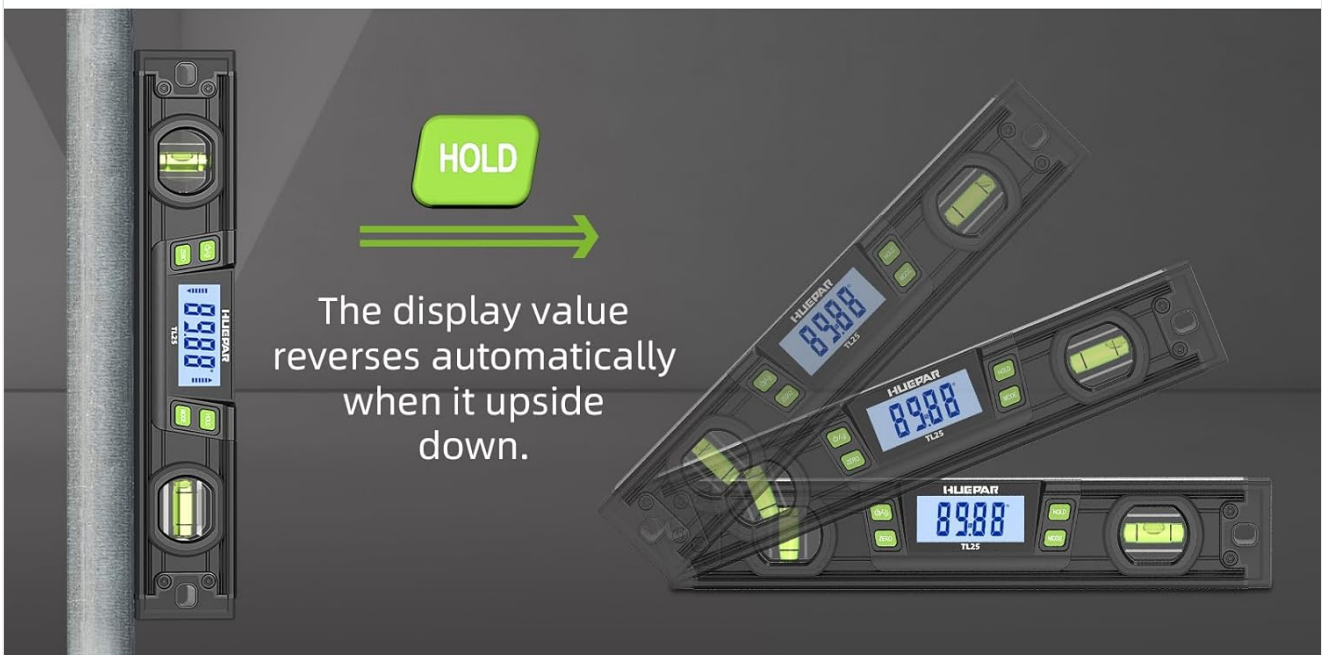


Figure 5.4: The digital level ruler demonstrating the HOLD function and automatic display reversal when the tool is inverted.

### 5.6 Bright LED Display & Audible Indicator

The device features a bright LED display for clear visibility in various lighting conditions. An audible indicator will sound when the level reaches a perfectly horizontal (0°) or vertical (90°) position, providing an additional cue for precise alignment.



Figure 5.5: The digital level ruler showcasing its bright LED display and the icon for the audible indicator.

### 5.7 Magnetic Base

The strong magnets integrated into the base of the level allow it to be securely attached to metal surfaces, freeing your hands for other tasks.



**Figure 5.6:** The digital level ruler demonstrating its strong magnetic base, allowing it to adhere to metal structures both horizontally and vertically.

### 5.8 V-Groove for Cylindrical Objects

The V-groove design on the measuring edge allows for stable placement and accurate measurement on cylindrical objects such as pipes or conduits.

# CYLINDRICAL OBJECTS CAN BE MEASURED THROUGH THE V-GROOVE



Figure 5.7: The digital level ruler positioned on a cylindrical object, utilizing its V-groove for stable and accurate measurement.

## 6. MAINTENANCE

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the device in its protective case in a dry, cool place when not in use. Remove batteries if storing for extended periods to prevent leakage.
- **Calibration:** If you suspect accuracy issues, refer to the calibration instructions (if provided separately) or contact customer support.

## 7. TROUBLESHOOTING

### 7.1 Display Not Working

- Check if the batteries are correctly installed and have sufficient charge. Replace if necessary.
- Ensure the device is powered on.

## 7.2 Inaccurate Readings

- Ensure the measuring surface is clean and free of debris.
- Verify the device is placed stably on the surface.
- Avoid strong magnetic fields during measurement.
- Perform a calibration if available (refer to specific calibration instructions if provided with your product).

## 7.3 Audible Indicator Not Sounding

- Ensure the device is at 0° or 90°.
- Check battery level.

## 8. SPECIFICATIONS

Feature	Specification
Brand	Huepar
Model	TL25
Material	Metal, Plastic
Colour	Black
Style	Magnetic
Operation Mode	Automatic
Item Type Name	Level
Included Components	LEVEL
Unit Count	1.0 Count

## 9. WARRANTY AND SUPPORT

Huepar products are manufactured to high-quality standards. For warranty information, technical support, or service inquiries, please refer to the warranty card included with your product or visit the official Huepar website. Please retain your proof of purchase for warranty claims.

