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Ginour TPKPT0040US

Ginour Laser Distance Meter User Manual

Model: TPKPT0040US

1. Introduction

Thank you for choosing the Ginour Laser Distance Meter. This device is designed for precise and rapid measurement of distances, areas, and volumes. It features a backlit LCD, two bubble levels for accurate alignment, and various measurement modes including Pythagorean calculations. Please read this manual thoroughly before operation to ensure safe and correct usage.



Figure 1: Ginour Laser Distance Meter with included accessories. The device is green and black, shown alongside a black carrying pouch and two AAA batteries.

2. Safety Instructions

WARNING: This device emits a Class II laser. Do not stare directly into the laser beam. Avoid direct eye exposure. Do not aim the laser at people or animals.

- Keep the device out of reach of children.
- Do not attempt to modify or disassemble the device. Repairs should only be performed by authorized personnel.
- Use only specified batteries (AAA). Ensure correct polarity when inserting.
- Avoid using the device in explosive environments or near flammable materials.
- Protect the device from extreme temperatures, moisture, and strong vibrations.
- Clean the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.

3. Product Overview

3.1 Components

- Laser Distance Meter
- AAA Batteries
- Portable Bag
- Hand Strap
- User Manual



Figure 2: Package contents including the laser meter, carrying bag, hand strap, and user manual.

3.2 Device Layout



Figure 3: Front view of the Ginour Laser Distance Meter with key features labeled, including the LCD with backlight, bubble levels, and various function buttons.

The device features a clear LCD with backlight for visibility in various lighting conditions. It includes two integrated bubble levels for precise horizontal and vertical alignment during measurements.

Table 1: Button Functions

Button	Function
READ / Turn On	Powers on the device, initiates single measurement, or continuous measurement.
OFF / CLEAR	Powers off the device, clears current measurement, or exits a mode.
+ (Addition)	Adds measurements.
- (Subtraction)	Subtracts measurements.
Area/Volume/Pythagorean	Cycles through Area, Volume, and Pythagorean measurement modes.

Button	Function
Reference Point/Unit Switch	Changes the measurement reference point (front/rear) or switches units (m/in/ft).
Save / **Mute**	Saves current data or toggles sound on/off.

4. Setup

4.1 Battery Installation

1. Locate the battery compartment cover on the rear of the device.
2. Slide the cover open.
3. Insert two AAA batteries, ensuring correct polarity (+/-) as indicated inside the compartment.
4. Close the battery compartment cover securely.

The device is powered by AAA batteries. Ensure fresh batteries are used for optimal performance. If the device will not be used for an extended period, remove the batteries to prevent leakage.

5. Operating Instructions

5.1 Power On/Off

- To power on: Press the **READ** button.
- To power off: Press and hold the **OFF / CLEAR** button for 3 seconds. The device will automatically shut down after 150 seconds of inactivity.

5.2 Unit and Reference Point Selection

- **Unit Switch:** Press the **Reference Point/Unit Switch** button to cycle through measurement units: meters (m), inches (in), and feet (ft).
- **Reference Point:** Press and hold the **Reference Point/Unit Switch** button to change the measurement reference point between the front edge and the rear edge of the device. An icon on the LCD will indicate the selected reference point.

5.3 Basic Distance Measurement

1. Ensure the device is powered on.
2. Aim the laser beam at the target point.
3. Press the **READ** button. The measured distance will be displayed on the LCD.



Figure 4: Measuring distance with the Ginour Laser Distance Meter. The laser beam is visible extending from the device to the wall.

5.4 Continuous Measurement (Tracking)

- From standby, press and hold the **READ** button. The device will enter continuous measurement mode.
- Move the device slowly to track the distance. The maximum and minimum values will be displayed, along with the current measurement.
- Press **OFF** / **CLEAR** to exit continuous measurement.

5.5 Area Measurement

1. Press the **Area/Volume/Pythagorean** button once to enter Area measurement mode. An area icon will appear on the display.
2. Measure the first side (e.g., length) by pressing **READ**.
3. Measure the second side (e.g., width) by pressing **READ** again.
4. The device will automatically calculate and display the area.

5.6 Volume Measurement

1. Press the **Area/Volume/Pythagorean** button twice to enter Volume measurement mode. A volume icon will appear.
2. Measure the length, width, and height sequentially by pressing **READ** after each measurement.
3. The device will automatically calculate and display the volume.

5.7 Pythagorean Measurement

The device supports various Pythagorean modes to calculate indirect measurements (e.g., height of a building) when direct measurement is not possible.

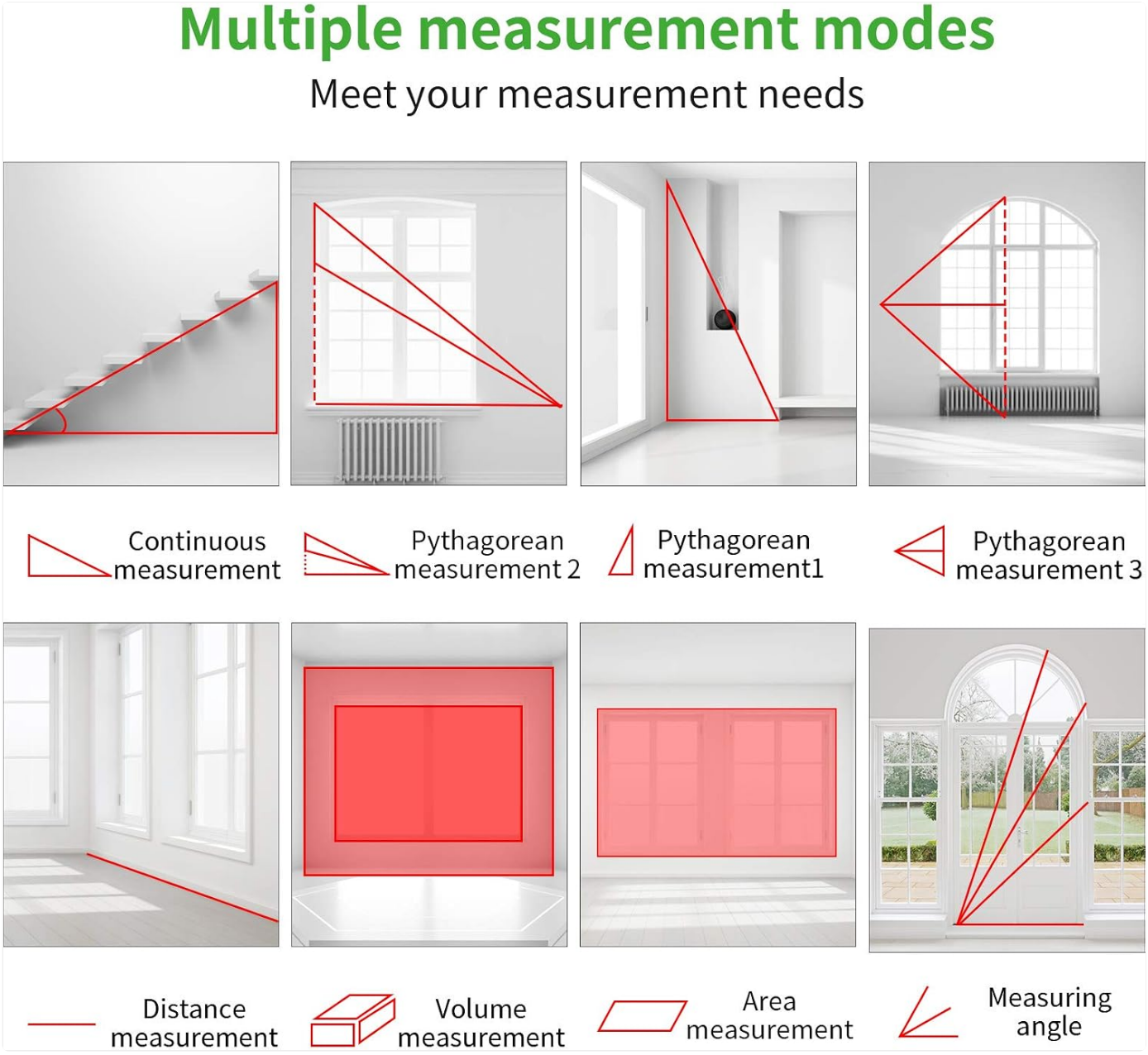


Figure 5: Visual representation of various measurement modes supported by the device, including different Pythagorean calculations.

1. Press the **Area/Volume/Pythagorean** button repeatedly to cycle through the different Pythagorean modes (e.g., single Pythagorean, double Pythagorean). The display will show an icon indicating the required measurements.
2. Follow the on-screen prompts to take the necessary measurements (e.g., hypotenuse, base).
3. The device will calculate and display the unknown side.

5.8 Data Storage and Recall

- The device can store up to 30 sets of measurement data.
- To save a measurement: After a measurement is displayed, press the **Save** button.
- To recall data: Press the **Save** button repeatedly to scroll through stored data.
- To delete data: While viewing stored data, press the **OFF / CLEAR** button.

5.9 Addition and Subtraction

- Perform a measurement.
- Press the **+** button for addition or **-** button for subtraction.
- Perform the next measurement. The result of the operation will be displayed.

6. Maintenance

- **Cleaning:** Use a soft, damp cloth to clean the device. Do not use harsh chemicals or abrasive materials. Pay special attention to keeping the laser lens clean.
- **Storage:** When not in use, store the device in its portable bag in a cool, dry place, away from direct sunlight and extreme temperatures. Remove batteries if storing for extended periods.
- **Calibration:** The device is factory calibrated. If you suspect accuracy issues, refer to the troubleshooting section or contact customer support.

7. Troubleshooting

Table 2: Common Issues and Solutions

Problem	Possible Cause	Solution
Device does not turn on.	Low or dead batteries; incorrect battery installation.	Replace batteries; ensure correct polarity.
Inaccurate measurements.	Laser lens dirty; unstable measurement surface; strong light interference; incorrect reference point.	Clean lens; ensure stable surface; measure in shaded areas; check reference point setting.
"Error" displayed on screen.	Measurement range exceeded; poor reflection from target; internal error.	Ensure target is within range (60m/196ft); use a reflective target if needed; restart device.
Screen is dim or flickering.	Low battery power.	Replace batteries.

8. Specifications

Table 3: Technical Specifications

Feature	Detail
Model Number	TPKPT0040US
Measurement Range	60m / 196ft
Accuracy	±1mm
Units	m / in / ft

Feature	Detail
Laser Class	Class II
Display Type	LCD with Backlight
Data Storage	30 sets
Auto Shutdown	150 seconds (no operation)
Power Source	2 x AAA Alkaline Batteries
Dimensions	25.4 x 25.4 x 25.4 cm
Weight	209 g
Water Resistance	Waterproof (IP54)

9. Warranty and Support

Ginour products come with a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included in your package or visit the official Ginour website.

For technical support, troubleshooting assistance, or warranty claims, please contact Ginour customer service through their official channels. You can often find contact information on the product packaging or the brand's official website.

Online Resources:

- Ginour Official Store: Visit Ginour Store on Amazon

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