

AquilaPro KL02060

AquilaPro Laser Measuring Tool

USER MANUAL

Model: KL02060

1. Introduction

This manual provides comprehensive instructions for the safe and effective use of your AquilaPro Laser Measuring Tool. Designed for precision and ease of use, this compact device offers various measurement modes for both professional and home applications. Please read this manual thoroughly before operation and retain it for future reference.



Figure 1: AquilaPro Laser Measuring Tool

2. Safety Information

WARNING: Laser Radiation

- Do not stare directly into the laser beam.
- Avoid direct eye exposure to the laser beam.
- Do not aim the laser at people or animals.
- Use only as described in this manual.
- Keep out of reach of children.
- Do not attempt to disassemble or modify the device.

This device emits Class 2 laser radiation. Maximum output power is less than 1mW at 635nm.

3. Product Overview

The AquilaPro Laser Measuring Tool features a compact metal fuselage with an HD display for clear readings. Familiarize yourself with the device's components and controls:



Figure 2: Device Components and Controls

- **Screen:** Displays measurements, modes, and battery status.
- **UNIT/Laser Button:** Activates laser for measurement, short press for single measurement, long press to switch units.
- **+/- Button:** For addition and subtraction measurements.
- **PRESET/History Button:** Accesses measurement history and preset values.
- **FUNC/Reference Button:** Cycles through measurement functions (Area, Volume, Pythagorean, etc.) and switches front/rear reference point.
- **Power/Backlight Button:** Long press to power on/off, short press to toggle backlight.

4. Setup

4.1 Charging the Device

The device is equipped with a rechargeable lithium-ion battery. Before first use, fully charge the device using the provided USB-C cable.

- Connect the USB-C cable to the charging port at the bottom of the device.
- Connect the other end of the cable to a USB power adapter (not included) or a computer USB port.
- The battery indicator on the screen will show charging status.
- A full charge provides approximately 10,000 single measurements.



Figure 3: USB-C Charging Port

4.2 Power On/Off

- **Power On:** Long press the **Power** button (⏻) for 2 seconds.
- **Power Off:** Long press the **Power** button for 2 seconds. The device will also automatically power off after 45 seconds of inactivity to conserve battery.

5. Basic Operation

5.1 Single Measurement

1. Power on the device.
2. Point the laser beam at the target surface.
3. Short press the **UNIT/Laser** button. The measurement will be displayed on the screen.

Field measurement

The real-time measurement mode enables on-the-go calculations from walls and various surfaces as you move



Figure 4: Taking a Field Measurement

5.2 Unit Switching

The device supports switching between meters (m), inches (in), and feet (ft).

- Long press the **UNIT/Laser** button to cycle through the units.
- Release the button when your desired unit is displayed.

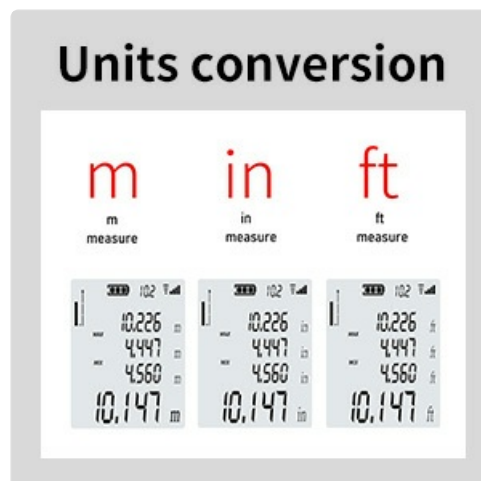


Figure 5: Unit Conversion Display

5.3 Reference Point Switching (Datum)

You can set the measurement reference point to either the front or rear of the device.

- Short press the **FUNC/Reference** button to toggle between front and rear datum.
- The display will indicate the active reference point.



Figure 6: Front or Rear Measuring Reference

6. Advanced Measurement Modes

The AquilaPro Laser Measuring Tool offers several advanced modes for complex measurements:

Multiple measurement modes

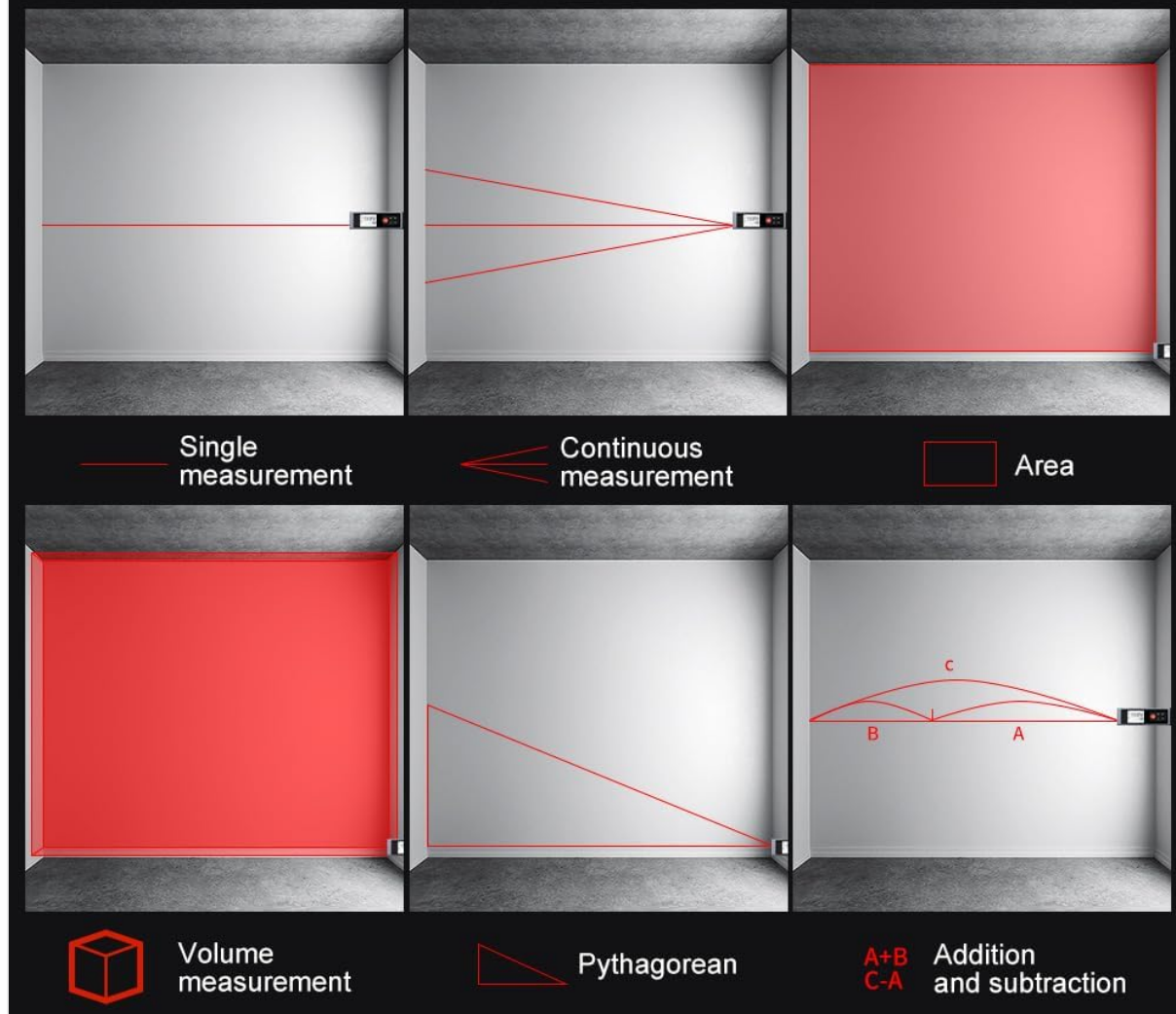


Figure 7: Multiple Measurement Modes

- **Continuous Measurement:** Provides real-time distance updates as you move the device. Useful for scanning and finding minimum/maximum distances.
- **Area Measurement:** Measures length and width to calculate the area of a surface.
- **Volume Measurement:** Measures length, width, and height to calculate the volume of a space.
- **Pythagorean Measurement:** Calculates indirect distances using the Pythagorean theorem (e.g., height of a building).
- **Addition/Subtraction:** Allows you to add or subtract measurements.

To select an advanced mode, short press the **FUNC/Reference** button repeatedly until the desired mode icon appears on the display. Follow the on-screen prompts to perform the measurements for each mode.

6.1 Addition/Subtraction Function

This function allows you to add or subtract consecutive measurements.

- After taking a measurement, press the **+/-** button to enter addition or subtraction mode.
- Take the next measurement. The device will automatically add or subtract it from the previous value.

Addition/Subtraction Function



Figure 8: Addition/Subtraction Function

6.2 Memory Storage Function

The device can store up to 28 sets of measurement data.

- To view stored data, short press the **PRESET/History** button.
- Use the arrow buttons (if available, or cycle through with PRESET) to navigate through the stored measurements.



Figure 9: Memory Storage Display

7. Official Product Video

Watch this official video from the seller for a quick introduction to the AquilaPro Laser Measuring Tool.

Your browser does not support the video tag.

Video 1: AquilaPro Laser Measuring Tool Introduction (Source: AQUILA OPTICS)

8. Maintenance

- **Cleaning:** Use a soft, damp cloth to clean the device. Do not use abrasive cleaners or solvents.
- **Storage:** Store the device in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Battery Care:** If storing for extended periods, charge the battery every 3 months to prolong its lifespan.
- **Water Resistance:** The device is rated IP54, meaning it is protected against dust and splashing water. Do not immerse in water.

9. Troubleshooting

Problem	Possible Cause	Solution
Device does not turn on.	Low battery; Device is off.	Charge the battery; Long press the Power button.
Inaccurate readings.	Unstable surface; Obstruction in laser path; Incorrect reference point.	Ensure stable surface; Clear laser path; Check and adjust reference point (front/rear datum).
Display is dim or unreadable.	Backlight off; Low battery.	Short press Power button to toggle backlight; Charge the battery.
Laser not visible.	Bright ambient light; Laser not activated.	Use in lower light conditions; Short press UNIT/Laser button.

10. Specifications

Feature	Detail
Brand	AquilaPro
Model Name	KL02060
Measuring Range	197ft (60m)
Accuracy	±0.078 inch (2mm)
Material	Aluminum
Color	Black
Product Dimensions (LxWxH)	1.1"L x 0.6"W x 3.4"H
Battery Type	Rechargeable Lithium-ion

Feature	Detail
International Protection Rating	IP54 (Dust and Splash Resistant)
Included Components	Lanyard

11. Warranty and Support

This AquilaPro Laser Measuring Tool comes with a **1-year manufacturer warranty** from the date of purchase. Please retain your proof of purchase for warranty claims.

For technical support or warranty inquiries, please contact AquilaPro customer service through the retailer's platform or visit the official AquilaPro store on Amazon: [AquilaPro Amazon Store](#).