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› REVASRI Professional Laser Distance Meter KL02 User Manual

## REVASRI KL02

# REVASRI Professional Laser Distance Meter KL02 User Manual

Model: KL02

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## 1. SAFETY INFORMATION

Please read and understand all safety information before using the REVASRI Laser Distance Meter KL02. Failure to follow these instructions may result in laser radiation exposure, electric shock, fire, or serious injury.

### 1.1 Laser Safety

- **CAUTION:** This device emits a Class 2 laser. Do not stare directly into the laser beam.
- Avoid direct eye exposure to the laser beam.
- Do not point the laser beam at people or animals.
- Do not disassemble the device. Repairs should only be performed by authorized service personnel.

### 1.2 General Safety

- Keep the device out of reach of children.
- Do not use the device in explosive atmospheres or near flammable materials.
- Protect the device from moisture and direct sunlight.
- Use only the specified charging cable and power adapter.

## 2. PRODUCT OVERVIEW

The REVASRI KL02 is a professional laser distance meter designed for accurate and efficient measurements. Its

compact and lightweight design makes it easy to carry and use in various environments.

## 2.1 Device Components



Figure 1: REVASRI KL02 Interface Overview. This image displays the device's screen, measurement button, unit switch, addition/subtraction buttons, function button, front/rear reference button, power/backlight button, and history/preset value setting.

- **Screen:** Displays measurement data, battery status, and mode indicators.
- **Measurement Button (Red Triangle):** Initiates single measurements.
- **Unit Button:** Switches between measurement units (m/in/ft).
- **+/- Button:** For addition and subtraction measurements.
- **FUNC Button:** Selects different measurement modes (Area, Volume, Pythagorean, Continuous).
- **Front/Rear Reference Button:** Changes the measurement reference point.
- **Power/Backlight Button:** Turns the device on/off and controls screen backlight.
- **History/Preset Button:** Accesses stored data or sets preset values.

## 2.2 Electronic Bubble Level

# Electronic level Angle real-time refresh

Know the horizontal and vertical angles in real time,  
Auxiliary measurement is more accurate



Figure 2: Electronic Level in Action. The device displays real-time horizontal and vertical angles, aiding in precise measurements.

The integrated electronic bubble level provides real-time horizontal and vertical angle updates, ensuring more accurate measurements, especially for leveling tasks.

## 3. SETUP

### 3.1 Charging the Device



Figure 3: USB-C Charging. The device is equipped with a 250mAh lithium battery and supports Type-C fast charging, capable of approximately 3000 single measurements per full charge.

The REVASRI KL02 features a built-in rechargeable lithium battery. To charge, connect the provided USB-C cable to the device's charging port and a suitable USB power source. The battery indicator on the screen will show the charging status.

### 3.2 Power On/Off

- **To Power On:** Press the **Power/Backlight** button once.
- **To Power Off:** Press and hold the **Power/Backlight** button for a few seconds. The device will also automatically power off after a period of inactivity to save battery.

## 4. OPERATION

The REVASRI KL02 offers multiple measurement modes to suit various applications. Use the **FUNC** button to cycle through the modes.

### 4.1 Basic Distance Measurement

Your browser does not support the video tag.

Video 1: Demonstrating Distance, Area, Volume, and Pythagorean Measurements. This video illustrates the practical application of various measurement modes of a laser distance meter.

- Ensure the device is in single distance measurement mode (default or select via **FUNC**).
- Point the laser at the target surface.
- Press the **Measurement** button once. The measured distance will appear on the screen.

### 4.2 Continuous Measurement (Min/Max)

- From single distance mode, press and hold the **Measurement** button for 1 second to enter continuous measurement.
- Move the device slowly. The screen will display real-time maximum, minimum, and current distances.
- Press the **Measurement** button again to stop.

### 4.3 Area Measurement

# Multiple measurement methods

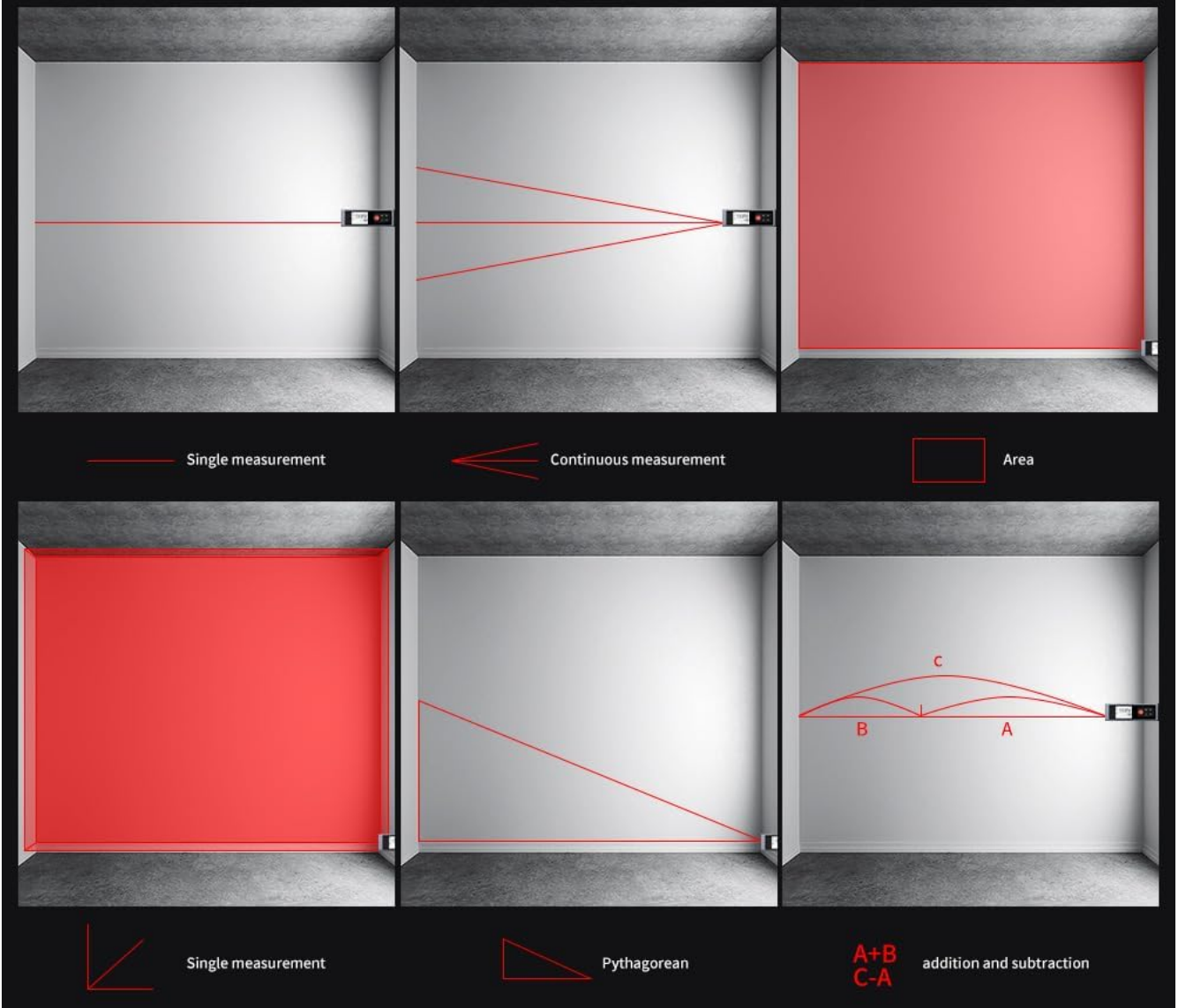


Figure 4: Multiple Measurement Methods. This diagram shows how to perform single, continuous, and area measurements using the laser distance meter.

- Press **FUNC** until the area icon appears.
- Measure the first side (length) by pressing the **Measurement** button.
- Measure the second side (width) by pressing the **Measurement** button again.
- The device will automatically calculate and display the area.

## 4.4 Volume Measurement

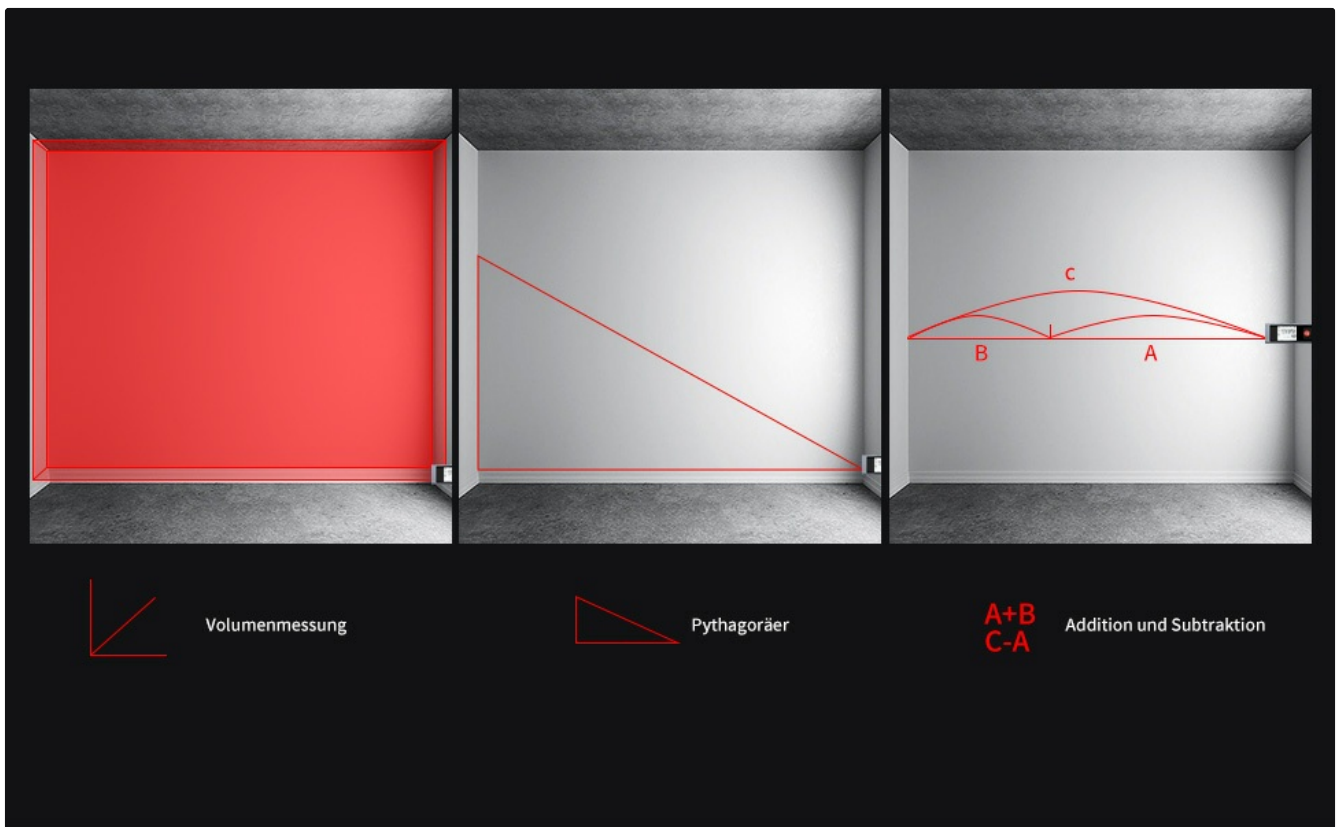


Figure 5: Volume and Advanced Measurements. This diagram illustrates volume measurement, perspective, and addition/subtraction functions.

- Press **FUNC** until the volume icon appears.
- Measure length, width, and height sequentially by pressing the **Measurement** button for each dimension.
- The device will automatically calculate and display the volume.

#### 4.5 Pythagorean Measurement (Indirect Measurement)

# Multiple measurement methods

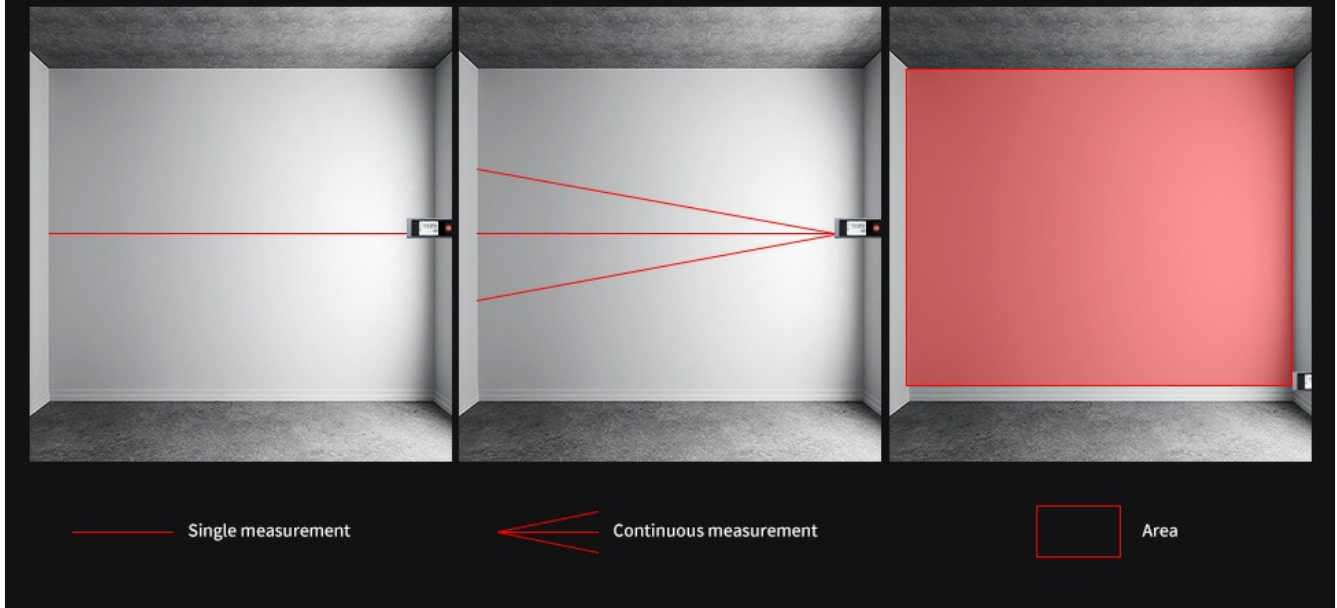


Figure 6: Pythagorean Measurement Methods. This diagram illustrates three different methods for indirect measurement using the Pythagorean theorem.

The Pythagorean mode allows for indirect measurement of heights or distances when direct measurement is not possible.

- Press **FUNC** until the desired Pythagorean icon appears (e.g., 2-point or 3-point).
- Follow the on-screen prompts to take the required measurements (e.g., hypotenuse, base).
- The device will calculate and display the unknown dimension.

## 4.6 Addition and Subtraction

- Perform a measurement.
- Press the **+/-** button to select addition or subtraction.
- Perform the next measurement. The result will be added to or subtracted from the previous measurement.

## 4.7 Unit Switching

- Press the **Unit** button to cycle through available units: meters (m), inches (in), and feet (ft).

## 4.8 Stakeout Function

# Setting-out survey

Set the machine target preset (stakeout) value to 1m

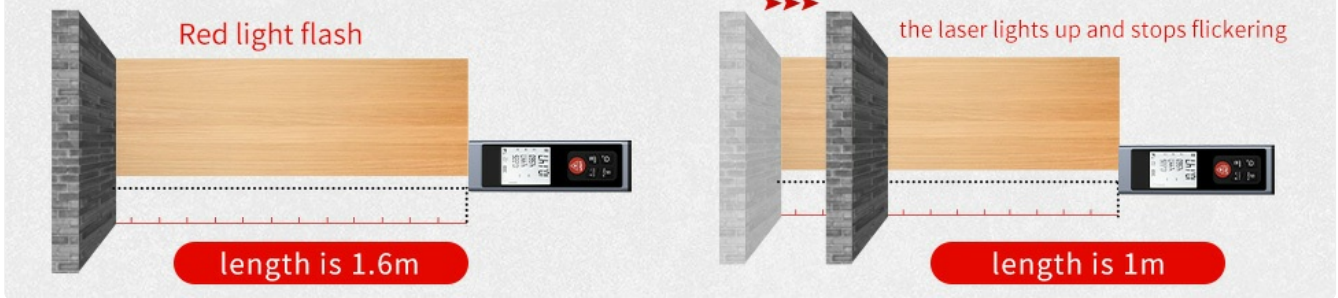


Figure 7: Stakeout Function. This diagram illustrates how to use the stakeout function to set a predetermined target length, such as 1 meter for cutting wood.

The stakeout function allows you to set a predetermined target value. For example, to cut a piece of wood to 1 meter, set the target value to 1m. The device will guide you to the precise point.

## 5. DATA STORAGE

# / 28 data storage /



Figure 8: Data Storage. The device can store up to 28 groups of measurement data for easy recall.

The REVASRI KL02 can store up to 28 groups of measurement data. To access stored data, press the [History/Presets](#) button. Use the arrow buttons (if available, or repeat pressing the history button) to navigate through the stored measurements.

## 6. SPECIFICATIONS

Feature	Specification
Model Number	KL02
Measurement Accuracy	±2 mm
Measurement Time	0.25 seconds
Units	m / in / ft
Data Storage	28 groups
Battery Type	Lithium-ion (250mAh)
Charging Port	USB Type-C
Measurements per Charge	Approx. 3000 single measurements
Electronic Bubble Level	Yes (real-time angle updates)
Dimensions	8.5 x 8.5 x 8.5 cm
Weight	39 g
Material	Aluminum-magnesium alloy
Water Resistance	IP54 (Water-resistant)

## 7. TROUBLESHOOTING

If you encounter issues with your REVASRI KL02, refer to the following common problems and solutions:

- Problem:** Cannot obtain a reading.

**Solution:** The minimum range is typically 0.05m. Ensure the distance is within the allowed range. Avoid measuring through glass or in very small rooms. Strong light, rain, fog, or heavy dust can also affect laser transmission and measurement accuracy.
- Problem:** Measurement accuracy seems inconsistent.

**Solution:** Environmental factors such as strong sunlight, fog, rain, or dust can interfere with the laser. Ensure the target surface is clear and the environment is suitable for laser measurement.
- Problem:** Device does not turn on.

**Solution:** Check the battery level. If the battery is low or depleted, charge the device using the provided USB-C cable.

## 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 when not in use. Avoid extreme temperatures.
- Battery Care:** For optimal battery life, avoid fully discharging the battery frequently. Charge the device regularly,

even if not in constant use.

## 9. WARRANTY AND SUPPORT

The REVASRI KL02 Laser Distance Meter comes with a **1-year product warranty** from the date of purchase.

For technical support, warranty claims, or any questions regarding your device, please contact REVASRI customer service through the platform where you purchased the product or visit the official REVASRI website for contact information.