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› DUKA LS-1 Digital Laser Rangefinder User Manual

WnewTools LS-1

DUKA LS-1 Digital Laser Rangefinder User Manual

Model: LS-1 | Brand: WnewTools

INTRODUCTION

This manual provides detailed instructions for the safe and effective use of your DUKA LS-1 Digital Laser Rangefinder. Please read this manual thoroughly before operating the device and keep it for future reference.

The DUKA LS-1 laser rangefinder is a compact and highly accurate measuring tool designed for various applications, including interior decoration, construction, and DIY projects. It features a lightweight design, high precision, and simple one-button operation, making it an efficient tool for obtaining precise distance, area, and volume measurements.

PRODUCT OVERVIEW



Figure 1: Front view of the DUKA LS-1 Laser Rangefinder, displaying measurement readings on its screen.



Figure 2: The DUKA LS-1 Laser Rangefinder held in a hand, illustrating its compact and portable design.



Figure 3: Top-down view of the DUKA LS-1, highlighting its display and single control button.



Figure 4: Angled view of the DUKA LS-1, showing the laser emitter and the USB charging port.

PACKAGE CONTENTS

Upon opening the package, please verify that all items are present and in good condition:

- 1 x DUKA LS-1 Laser Rangefinder
- 1 x USB Charging Cable
- 1 x User Manual (this document)

SAFETY INFORMATION

WARNING: This device uses a Class 2 laser. Do not stare into the laser beam or direct it at other people. Avoid direct eye exposure.

- Do not attempt to modify or disassemble the device.
- Keep the device away from water and high humidity.
- Do not operate the device in explosive environments.
- Use only the specified charging method (DC 5V <0.2A).
- Keep out of reach of children.

SETUP

Charging the Device

The DUKA LS-1 comes with a built-in rechargeable battery. Before first use, or when the battery indicator shows low power, charge the device using a standard USB power source.

1. Locate the USB charging port on the side of the device (refer to Figure 4).
2. Connect the provided USB charging cable to the device.
3. Plug the other end of the USB cable into a compatible USB power adapter (e.g., computer USB port, wall charger, power bank).
4. The battery indicator on the display will show charging status. A full charge provides approximately 3,000 measurements.

OPERATING INSTRUCTIONS

Power On/Off

- **To Power On:** Press the main button (circular button on the front) briefly. The display will light up.
- **To Power Off:** Press and hold the main button for approximately 3 seconds. The device will shut down. The device also features an automatic power-off function after a period of inactivity to conserve battery.

Measurement Units

The DUKA LS-1 supports switching between different measurement units: meters (m), inches (in), and feet (ft).

- To change units: With the device powered on, press and hold the main button for about 1-2 seconds (but less than 3 seconds to avoid powering off) until the unit changes on the display. Repeat to cycle through m, in, ft.

Taking a Measurement

The DUKA LS-1 can measure distance, area, and volume. The primary function is distance measurement.

1. Ensure the device is powered on.
2. Point the laser emitter (located at the top of the device) towards the target surface.
3. Briefly press the main button. The laser will activate, and the measurement will be displayed on the screen almost instantly (response time 0.2 seconds).
4. For area and volume measurements, multiple distance measurements are required. The device will guide you through the process by indicating which dimension to measure next on the display. Follow the on-screen prompts.

Note: For best accuracy, ensure the device is stable and the laser beam is perpendicular to the target surface.

MAINTENANCE

Cleaning

- Wipe the device with a soft, dry cloth.
- Do not use abrasive cleaners, solvents, or strong chemicals.
- Keep the laser lens clean to ensure accurate measurements. Use a lens cleaning cloth if necessary.

Storage

- Store the device in a cool, dry place, away from direct sunlight and extreme temperatures.
- If storing for an extended period, ensure the battery is partially charged (around 50%) to prolong its lifespan.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Battery is depleted.	Charge the device using the USB cable.

Problem	Possible Cause	Solution
Inaccurate measurements.	Laser lens is dirty; Target surface is too reflective/absorbent; Device is not stable.	Clean the laser lens; Use a target plate for difficult surfaces; Ensure device is stable during measurement.
Display is blank or flickering.	Low battery; Device malfunction.	Charge the device. If problem persists, contact customer support.
Cannot change measurement units.	Incorrect button press duration.	Ensure you are pressing and holding the button for the correct duration (1-2 seconds) to cycle units, not too short (measurement) or too long (power off).

SPECIFICATIONS

Feature	Detail
Model	LS-1
Material	Aluminum Alloy
Product Type	Portable Laser Rangefinder
Measurement Units	m (meter), ft (foot), in (inch)
Measurement Accuracy	± 2 mm
Operating Temperature	0 °C to 40 °C (32°F to 104°F)
Storage Temperature	-20 °C to 60 °C (-4°F to 140°F)
Battery	180 mAh (approx. 3,000 measurements)
Measurement Range	0.03 to 40 m
Laser Type	Class 2, 620~670 nm, <1 mW
Charging Method	DC 5V <0.2A
Item Weight	30 Grams
Item Model Number	PANN1296186
UPC	769902931255

WARRANTY AND SUPPORT

This product is manufactured by WnewTools. For warranty information and technical support, please refer to the documentation provided with your purchase or contact the seller directly.

For general inquiries or further assistance, you may visit the manufacturer's website or contact their customer service department. Please have your model number (LS-1 / PANN1296186) and purchase details ready when seeking support.

This manual is subject to change without notice.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question