

Imex 16411

Imex Bullseye 30 Laser Distance Measurer User Manual

Model: 008-I0BE30 (Internal Model Number: 16411)

Brand: Imex

1. INTRODUCTION

The Imex Bullseye 30 Laser Distance Measurer is a compact and precise tool designed for quick and accurate distance measurements. It is ideal for various applications in construction, interior design, and DIY projects, offering functions such as length, area, cubic, indirect, and stakeout measurements. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your device.

2. SAFETY INFORMATION

Please read and understand all safety instructions before operating the device. Failure to follow these instructions may result in laser radiation exposure, electric shock, fire, or serious injury.

- **Laser Radiation:** This device emits Class II laser radiation (660 nm). Do not stare directly into the laser beam or direct it towards other people or animals.
- **Eye Protection:** Always avoid direct eye exposure to the laser beam.
- **Operating Environment:** Do not operate the device in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Maintenance:** Do not attempt to disassemble or modify the device. Repairs should only be performed by authorized service personnel.
- **Batteries:** Use only the specified battery type (2 x AAA). Ensure correct polarity when inserting batteries. Remove batteries if the device will not be used for an extended period.

3. PACKAGE CONTENTS

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

- Imex Bullseye 30 Laser Distance Measurer
- Belt Pouch
- User Manual (this document)
- *Note: AAA batteries are not included and must be purchased separately.*

4. SETUP

4.1 Battery Installation

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

The device is now ready for operation.

5. OPERATING INSTRUCTIONS

5.1 Device Overview



Figure 5.1: Front view of the Imex Bullseye 30 showing the display, laser button (red), function button (white), and clear/off button (black).

5.2 Power On/Off

- **Power On:** Press the **DIST** button (red button) once to turn on the device and activate the laser.
- **Power Off:** Press and hold the **CLEAR/OFF** button (black button) for approximately 2 seconds to turn off the device. The device will also automatically shut off after 90 seconds of inactivity to conserve battery life.

5.3 Unit Selection

To change the measurement units (e.g., meters, feet, inches), press the **UNITS** button (white button with 'UNITS' text) repeatedly until the desired unit is displayed on the screen.

6. MEASUREMENT FUNCTIONS

The Imex Bullseye 30 offers several measurement modes. Press the **FUNCTION** button (white button with box icon) to cycle through the available modes.

6.1 Single Length Measurement

1. Ensure the device is in single length measurement mode (default mode, typically indicated by a single line on the display).
2. Aim the laser beam at the target point.
3. Press the **DIST** button once. The measurement will be displayed instantly.



Figure 6.1: The Imex Bullseye 30 being used to measure a distance, showing the display with measurement readings.

6.2 Area Measurement

To calculate the area of a rectangular space:

1. Press the **FUNCTION** button until the area icon (rectangle) appears on the display.
2. Measure the first side (e.g., length) by pressing **DIST**.
3. Measure the second side (e.g., width) by pressing **DIST** again.
4. The device will automatically calculate and display the area.

6.3 Cubic (Volume) Measurement

To calculate the volume of a space:

1. Press the **FUNCTION** button until the volume icon (cube) appears on the display.
2. Measure the length by pressing **DIST**.
3. Measure the width by pressing **DIST**.
4. Measure the height by pressing **DIST**.
5. The device will automatically calculate and display the volume.

6.4 Indirect Measurement (Pythagorean Theorem)

This mode allows you to measure inaccessible heights or distances using the Pythagorean theorem. The device typically supports two-point or three-point indirect measurements.

1. Press the **FUNCTION** button until the indirect measurement icon (triangle) appears. The display will show which sides need to be measured.
2. Follow the on-screen prompts to measure the required distances (e.g., hypotenuse and base for height calculation). Ensure the device is held level for accurate base measurements.
3. The device will calculate and display the unknown height or distance.

6.5 Stakeout Measurement

The stakeout function helps mark out predefined lengths. This is useful for setting out studs, joists, or other regular intervals.

1. Press the **FUNCTION** button until the stakeout icon appears (often two parallel lines with arrows).
2. Enter the desired stakeout length using the measurement buttons (refer to device-specific button combinations for inputting values, typically by pressing **DIST** multiple times or using **+/-** buttons if available, though not explicitly mentioned for this model).
3. Move the device along the surface. The display will indicate the remaining distance to the next stakeout point, guiding you to the precise location.

7. MAINTENANCE

Proper maintenance ensures the longevity and accuracy of your Imex Bullseye 30.

- **Cleaning:** Use a soft, damp cloth to clean the device. Do not use abrasive cleaners, solvents, or immerse the device in water. Pay special attention to keeping the laser lens clean and free of dust.
- **Storage:** Store the device in its belt pouch in a cool, dry place, away from direct sunlight and extreme temperatures. If storing for extended periods, remove the batteries to prevent leakage.
- **Impact Protection:** While robust, avoid dropping the device or subjecting it to strong impacts, as this can affect its calibration and internal components.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Batteries are dead or incorrectly inserted.	Replace batteries with new AAA batteries, ensuring correct polarity.
Laser beam is weak or not visible.	Low battery power; dirty laser lens.	Replace batteries; gently clean the laser lens with a soft cloth.
Inaccurate measurements.	Target surface is too reflective/absorbent; device not stable; environmental interference.	Measure to a different, non-reflective surface; ensure device is stable; avoid strong light sources.
Error message on display.	Measurement out of range; internal error.	Ensure target is within 0.05-30m range; power off and on the device. If error persists, contact support.

9. SPECIFICATIONS

Feature	Specification
Measuring Range	0.05 - 30 m
Resolution	0.001 m
Accuracy	±2 mm @ 30 m
Measuring Speed	0.5 sec
Laser Type	660 nm, Class II
Power	2 x AAA batteries
Battery Life	Up to 10,000 measurements
Dimensions	145 x 32 x 21.5 mm
Operating Temperature	-5°C - 40°C
Storage Temperature	-20°C - 60°C
Auto Shut Off	Yes (after 90 seconds of inactivity)
International Protection Rating	IP54
Item Weight	0.5 Kilograms (500 g)

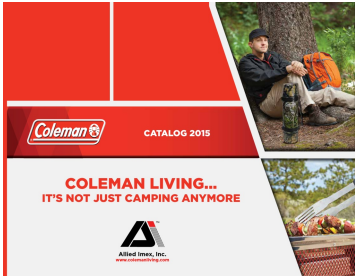
10. WARRANTY AND SUPPORT

Imex products are manufactured to high standards and undergo rigorous quality control. While specific warranty details are not provided in this manual, please retain your proof of purchase for any warranty claims.

For technical support, service, or warranty inquiries, please contact your local Imex distributor or the retailer from whom you purchased the device. You may also visit the official Imex website for further information and contact details.

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