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## BOSCH GLM165-40

# Bosch GLM165-40 Blaze™ Pro 165 Ft. Laser Measure User Manual

Model: GLM165-40

## 1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation of your Bosch GLM165-40 Blaze™ Pro 165 Ft. Laser Measure. Please read this manual thoroughly before using the device and keep it for future reference. The Bosch BLAZE™ Pro GLM165-40 is a versatile laser measure designed for quick and accurate distance, area, volume, and indirect measurements up to 165 feet. It features a backlit display, 10-measurement storage, and addition/subtraction functionality.

## 2. SAFETY INFORMATION

**WARNING:** Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in serious injury.

### 2.1 Laser Safety

This device emits a Class 2 laser. Do not stare directly into the laser beam or direct it at other people or reflective surfaces. Laser radiation can cause eye injury.

- Do not intentionally direct the laser beam at people or animals.
- Avoid direct eye exposure to the laser beam.
- Do not modify the laser device.
- Use only as described in this manual.

### 2.2 General Safety

- Keep the device away from children.
- Do not operate the device in explosive atmospheres.
- Protect the device from moisture and direct sunlight.
- Do not open the device. Repairs should only be performed by qualified personnel.

### 3. PRODUCT OVERVIEW

The Bosch GLM165-40 Blaze™ Pro is a compact and robust laser distance measure. Key features include:

- **Measuring Range:** Up to 165 feet.
- **Accuracy:**  $\pm 1/16$  inch.
- **Functions:** Distance, area, volume, indirect measurements, addition/subtraction.
- **Display:** Easy-to-read backlit display.
- **Memory:** Stores up to 10 measurements.
- **Durability:** IP54 rated for dust and splash protection.



Figure 1: Bosch GLM165-40 Blaze Pro Laser Measure with key features labeled, including the backlit display, measurement modes, and durable casing.

### 4. SETUP

#### 4.1 Battery Installation

The Bosch GLM165-40 requires 2 AAA alkaline batteries (not included). To install:

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

## 4.2 Initial Power On

Press the red power button (C/O) to turn on the device. The backlit display will illuminate, and the device will enter default real-time measurement mode.

## 5. OPERATING INSTRUCTIONS

### 5.1 Basic Measurement (Real-Time)

In default real-time measurement mode, the device continuously measures the distance as you move it closer to or farther from the target. The measurement updates instantly on the display.

1. Point the laser beam at the desired target.
2. The distance will be displayed in real-time.
3. Press the red measurement button (▲) once to freeze the current measurement.
4. Press the red measurement button again to take a new measurement.



Figure 2: A user positioning the Bosch GLM165-40 laser measure against a wall to take a distance measurement.

### 5.2 Changing Measurement Units

To cycle through available measurement units (e.g., feet, inches, meters), press and hold the **Func** button until the unit changes on the display.

## 5.3 Advanced Measurement Functions

Press the **Func** button repeatedly to cycle through different measurement modes:

- **Distance:** Standard point-to-point measurement.
- **Area:** Measures length and width to calculate area.
- **Volume:** Measures length, width, and height to calculate volume.
- **Indirect Measurement (Pythagoras):** Calculates inaccessible distances using the Pythagorean theorem.



**Figure 3:** Visual representation of the different measurement modes: Distance (single line), Area (two lines forming a rectangle), Indirect (hypotenuse of a triangle), and Volume (three lines forming a cube).

## 5.4 Addition and Subtraction

After taking a measurement, press the **+** button to add subsequent measurements or the **-** button to subtract them. The result will be displayed.

## 5.5 Memory Storage

The device automatically stores the last 10 measurements. To recall stored measurements, refer to the device's on-screen prompts or specific button combinations (consult the quick start guide for detailed steps if not immediately apparent).

# 6. MAINTENANCE

## 6.1 Cleaning

Keep the device clean to ensure optimal performance. Use a soft, damp cloth to wipe the exterior. Do not use harsh cleaning agents or solvents. Pay special attention to the laser exit and reception lenses, keeping them free of dust and debris.

## 6.2 Storage

When not in use, store the device in a dry, dust-free environment, away from extreme temperatures. Remove batteries if the device will not be used for an extended period to prevent leakage.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not turn on.	Dead or incorrectly inserted batteries.	Check battery polarity; replace with new AAA alkaline batteries.
Inaccurate measurements.	Dirty laser lens, unstable surface, or measuring over highly reflective/transparent surfaces.	Clean laser lens. Ensure stable positioning. Use a target plate for difficult surfaces.
Laser beam not visible.	Bright ambient light conditions.	Use in shaded areas or indoors. A target plate can help visibility.
Display error message.	Internal error or measurement out of range.	Turn the device off and on again. If the problem persists, contact customer support.

## 8. SPECIFICATIONS

Feature	Detail
Model	GLM165-40
Measuring Range	165 feet
Accuracy	±1/16 inch
Laser Class	Class 2
Power Source	2 x AAA Alkaline Batteries
IP Rating	IP54 (Dust and Splash Protected)
Dimensions (L x W x H)	4.13" x 1" x 1.63"
Weight	6.6 ounces
Memory Storage	10 measurements

## 9. WARRANTY AND SUPPORT

### 9.1 Limited Warranty

Bosch measuring and layout tools are covered by a one-year limited warranty. An additional year of coverage is available when you register your tool within eight (8) weeks of purchase. For full terms and conditions, please visit [rb-pt.io/PowerToolWarranty](http://rb-pt.io/PowerToolWarranty) or call 1-877-BOSCH99.

### 9.2 Customer Support

For technical assistance, service, or warranty claims, please contact Bosch customer support at 1-877-BOSCH99 or visit the official Bosch website.

## 10. INSTRUCTIONAL VIDEOS

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No official instructional videos from the seller are available in the provided data for this product.

