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Bosch Professional GLM 150-27 C Laser Rangefinder User Manual

Model: GLM 150-27 C | Brand: Bosch Professional

1. INTRODUCTION

This user manual provides essential information for the safe and efficient operation, maintenance, and care of your Bosch Professional GLM 150-27 C Laser Rangefinder. Please read these instructions thoroughly before first use and keep them for future reference.

The Bosch Professional GLM 150-27 C is a high-precision laser distance meter designed for professional use, featuring a digital viewfinder with zoom, integrated camera, and connectivity to the Bosch MeasureOn app for smart documentation.

2. SAFETY INSTRUCTIONS

2.1 General Safety

- Always operate the device according to the instructions provided in this manual.
- Do not modify the device. Unauthorized modifications can impair safety and void the warranty.
- Keep the device away from children and unauthorized personnel.
- Protect the device from moisture, dust, and extreme temperatures.

2.2 Laser Safety

WARNING: Class 2 Laser Product.

- Do not stare directly into the laser beam.
- Do not point the laser beam at people or animals.
- Avoid direct eye exposure. Even brief exposure can cause eye damage.
- Ensure the laser beam is directed away from reflective surfaces to prevent accidental exposure.

2.3 Battery Safety

- The device contains an integrated Li-Ion battery. Do not attempt to replace it yourself.
- Charge the battery only with the provided USB cable and a compatible power source.
- Do not expose the battery to excessive heat or fire.
- Dispose of batteries according to local regulations.

3. PRODUCT OVERVIEW AND COMPONENTS

Familiarize yourself with the main components of your GLM 150-27 C Laser Rangefinder.



Image: The Bosch Professional GLM 150-27 C Laser Rangefinder, its protective carrying pouch, and the USB charging cable. The device features a large color display and intuitive button layout.





Image: A detailed view of the Bosch GLM 150-27 C's display and control panel. Key buttons include power, function

(Func), clear (C), camera, and navigation arrows.

1. **Laser Aperture:** Emits the laser beam for measurement.
2. **Digital Viewfinder Camera:** For precise targeting over long distances.
3. **Display:** High-resolution color screen for measurements, images, and settings.
4. **Measurement Button:** Initiates single or continuous measurements.
5. **Function (Func) Button:** Accesses various measurement modes (area, volume, indirect, etc.).
6. **Navigation Buttons:** For menu navigation and adjusting settings.
7. **Clear/Delete (C) Button:** Clears current measurement or navigates back in menus.
8. **Camera Button:** Activates the digital viewfinder and captures images.
9. **Micro-USB Port:** For charging and data transfer.
10. **Tripod Thread:** For mounting on a tripod for stable measurements.

4. SETUP

4.1 Unpacking

Carefully remove all components from the packaging. The standard package includes:

- Bosch Professional GLM 150-27 C Laser Rangefinder
- Protective Pouch
- Wrist Strap
- Micro-USB Charging Cable

4.2 Charging the Battery

The GLM 150-27 C is equipped with an integrated 3.6V Li-Ion battery. Before first use, fully charge the device.

1. Connect the Micro-USB charging cable to the device's USB port.
2. Connect the other end of the cable to a suitable USB power adapter (not included) or a computer USB port.
3. The battery indicator on the display will show the charging status. A full charge is indicated when the battery icon is solid.

4.3 Initial Power On and Settings

1. Press the **Power/Measurement** button to turn on the device.
2. Upon first use, you may be prompted to select a language and measurement units (e.g., meters, feet, inches). Use the navigation buttons to select and confirm.
3. To access settings later, navigate through the menu using the **Func** button and arrow keys.

5. OPERATING INSTRUCTIONS

5.1 Basic Distance Measurement

1. Point the laser rangefinder at the target.
2. Press the **Measurement** button once. The laser beam will activate.

3. Press the **Measurement** button again to take a single measurement. The result will be displayed on the screen.

5.2 Continuous Measurement (Tracking)

1. From the main screen, press and hold the **Measurement** button.
2. The device will continuously measure and display the current distance as you move it.
3. Press the **Measurement** button again to stop continuous measurement and hold the last value.

5.3 Area and Volume Measurement

1. Press the **Func** button to cycle through measurement modes until the Area or Volume icon is displayed.
2. Follow the on-screen prompts to measure the required dimensions (length, width, height).
3. The device will automatically calculate and display the area or volume.

5.4 Digital Viewfinder and Camera Function

The integrated camera and digital viewfinder allow for precise targeting, especially over long distances or in bright outdoor conditions where the laser dot may be difficult to see.



Image: A user holding the Bosch GLM 150-27 C, looking at its screen which displays the digital viewfinder with a

measurement overlay. This feature aids in precise targeting.

1. Press the **Camera** button to activate the digital viewfinder. The display will show a live image of the target area.
2. Use the zoom function (if available via navigation buttons) to magnify the target.
3. Align the crosshairs with your desired measurement point.
4. Press the **Measurement** button to take a measurement. The measurement will be displayed on the viewfinder image.
5. To save the image with the measurement, press the **Camera** button again after taking the measurement.

5.5 Connectivity with MeasureOn App

The GLM 150-27 C can connect to the Bosch MeasureOn app via Bluetooth for enhanced documentation and project management.



Image: The Bosch GLM 150-27 C Laser Rangefinder wirelessly connected to a smartphone displaying the Bosch MeasureOn application. This allows for seamless data transfer and project documentation.

1. Download and install the Bosch MeasureOn app on your smartphone or tablet.
2. Ensure Bluetooth is enabled on both your device and the GLM 150-27 C.

3. Open the MeasureOn app and follow the instructions to pair with your GLM 150-27 C.
4. Measurements and images can then be transferred directly to the app for floor plan creation, photo documentation, and notes.

6. MAINTENANCE

6.1 Cleaning

- Wipe the device regularly with a soft, damp cloth. Do not use harsh cleaning agents or solvents.
- Clean the laser aperture and camera lens with a soft, lint-free cloth, similar to cleaning camera lenses. Avoid scratching.

6.2 Storage

- Store the device in its protective pouch in a dry, dust-free environment.
- Avoid storing in direct sunlight or areas with extreme temperature fluctuations.
- For long-term storage, ensure the battery is partially charged (around 50%) to prolong its lifespan.

6.3 Battery Care

- Charge the battery regularly, even if the device is not in frequent use.
- Avoid completely discharging the battery, as this can reduce its overall lifespan.

7. TROUBLESHOOTING

If you encounter issues with your GLM 150-27 C, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device does not turn on	Battery is discharged	Charge the battery using the USB cable.
Measurement error (e.g., 'Error')	Target surface is too reflective, too dark, or too far; laser beam obstructed.	Use a target plate for reflective surfaces. Ensure clear line of sight. Check range limits.
Inaccurate measurements	Device not stable; incorrect measurement reference point; environmental factors.	Ensure device is stable (use a tripod if necessary). Verify correct reference point setting. Avoid extreme temperature changes.
Bluetooth connectivity issues	Bluetooth off; device not paired; app issues.	Ensure Bluetooth is active on both devices. Re-pair the device in the MeasureOn app. Restart both devices.

If the problem persists, please contact Bosch Professional customer support.

8. SPECIFICATIONS

Key technical specifications for the Bosch Professional GLM 150-27 C Laser Rangefinder:

Feature	Specification
Model Number	0601072Z00
Measuring Range	Up to 150 meters
Measurement Accuracy	± 1.5 mm*
Laser Class	2
Battery Type	Integrated 3.6V Lithium-Ion
Connectivity	Bluetooth, Micro-USB
Ingress Protection (IP) Rating	IP54 (dust and splash protected)
Item Weight	214 g
Product Dimensions (L x W x H)	17.4 x 11.1 x 7 cm
Material	Plastic

*Accuracy depends on environmental conditions and target surface properties.

9. WARRANTY AND SUPPORT

9.1 Warranty Information

Bosch Professional products are manufactured to high-quality standards and undergo strict quality controls. For detailed warranty terms and conditions, please refer to the warranty card included with your product or visit the official Bosch Professional website.

9.2 Customer Support

For technical assistance, spare parts, or service inquiries, please contact your local Bosch Professional service center or visit the Bosch Professional website for comprehensive support resources.

You can find more information and support at the **Bosch Professional Store**.