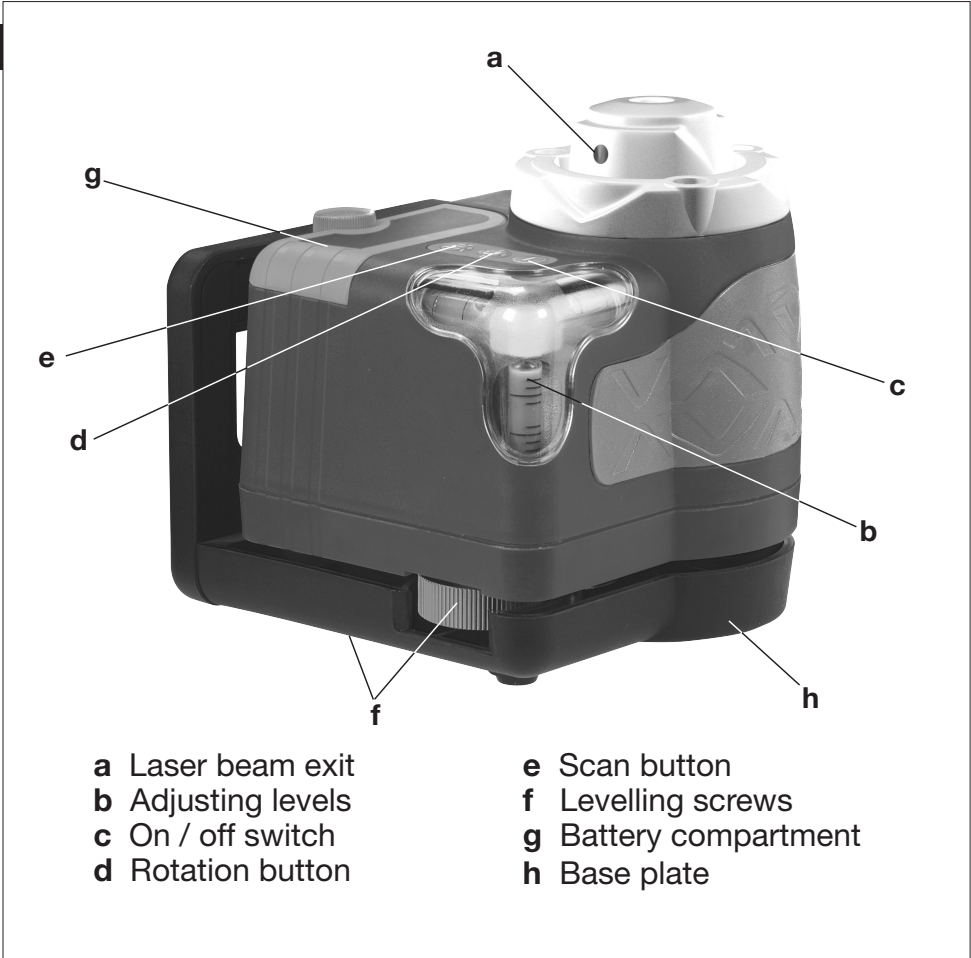


Important: please read these instructions of use carefully before using the system and keep them for later reference.

GB





Measuring basics:

The rotation laser combines a laser beam with a motorized mechanism. This makes it simple to carry out horizontal and vertical levelling work.

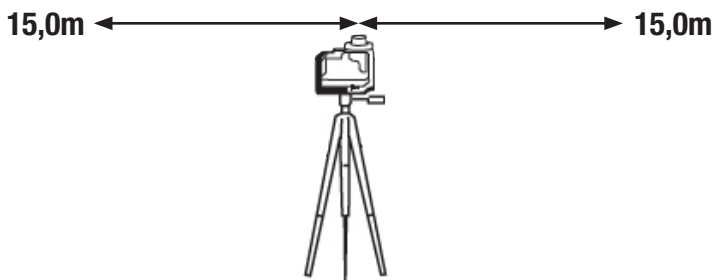
The rotation laser may be used in a variety of applications, e.g. on construction sites and in decoration work.

Measurements may be carried out at radii of up to 15 metres.

Measurements may only be carried out within a temperature range of 0°C to + 40°C.

GB

Measuring length:



Structure

Switch on the rotation laser by pressing the button (c) for around two seconds. The green level light will light up to indicate that the system is ready for use. Press the button (c) again to switch off the system.

The rotation laser may be fitted to commercially available construction tripods (not included).

Application

1) Horizontal rotation

Place the laser on the base plate (h). Switch the laser on as described in “Structure”. You will see two stationary dots of light at right angles to each other. Adjust the rotation laser with the help of the levelling screws (f) so that the bubble in the two top adjusting levels is located precisely in the centre of the mark on the level’s body. Please note that the levels respond to the levelling screw movements along the levels’ longitudinal axis. Perfect measuring results require that the levels be precisely aligned.

Press the rotation button (d) to activate rotation mode. The system will now run at “Fast” rotation speed. Pressing the rotation button (d) again will switch the rotation speed to “Medium”. Pressing the rotation button (d) yet again will switch the rotation speed to “slow”. Pressing the rotation button (d) once more will deactivate the rotation. Now you will see two stationary dots of light at right angles to each other again.



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2) Vertical rotation

Place the laser on the side extension of the base plate (h). Switch the laser on as described in "Structure". You will see two stationary dots of light at right angles to each other. Adjust the rotation laser with the help of the levelling screws (f) so that the bubble in the adjusting level above the operating panel is located precisely in the centre of the mark on the level's body. Please note that the levels respond to the levelling screw movements along the levels' longitudinal axis. Perfect measuring results require that the levels be precisely aligned.

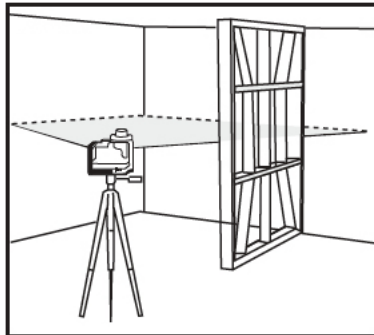
Press the rotation button (d) to activate rotation mode. The system will now run at "Fast" rotation speed. Pressing the rotation button (d) again will switch the rotation speed to "Medium". Pressing the rotation button (d) yet again will switch the rotation speed to "slow". Pressing the rotation button (d) once more will deactivate the rotation. Now you will again see two stationary dots of light at right angles to each other.

3) Plumb function

With the aid of the laser dot exiting upwards, it is simple to transfer points from the floor to the ceiling. Simply place the rotation laser without the tripod on the spot to be transferred, switch it on and then mark the dot projected on to the ceiling.

Scan function

The rotation laser possesses a scan function. This means that a laser line may be projected on to a restricted area. This will considerably increase the visibility of the laser line. The scan line may be set at three lengths.



Switch the laser on as described in Structure and Application. Press the scan button (e). The laser will project the "long" scan line. Pressing the scan button (e) again will reduce the scan line to "Medium". Pressing the scan button (e) yet again will reduce the scan line to "Short". Pressing the scan button (e) once more will return the scan line to "Long".

Using the laser sighting system

10

The laser sighting system allows users to use the laser even when the laser beam is not visible, e.g. in very bright conditions.

General information about use

Please note that the laser beam's visibility declines with increasing ambient brightness. Please use the supplied goggles to better see the laser beam. If possible, darken rooms before commencing measurements. Attention: in unfavourable lighting conditions, it may not be possible to see the laser dot from where the rotation laser is located. In such cases, use the laser goggles and test visibility directly on the wall. The fact that you can't see the laser beam from where the system is located is irrelevant. It is only necessary to be able to see the measuring point. It is usually helpful to reduce the rotation speed to make the beam visible should the dot not be visible on the wall.

GB

Changing the batteries:

Empty batteries must be disposed of properly.

Safety information:

- Never look directly into the laser beam. The supplied goggles are only intended to increase contrasts and so improve the laser beam's visibility. The beam may permanently damage your eyes. Never aim the laser beam at people or reflecting surfaces.
- Keep the work area clean and tidy. Avoid shocks and jolts on the unit.
- Never expose the rotation laser to moisture or rain.
- Keep the rotation laser in a dry safe place.
- If the rotation laser is not used for extended periods of time, remove the batteries to prevent damage caused by leaking batteries.
- Check the rotation laser and all individual components for damage before use. Only use the system if all parts are in proper working order.
- Repairs may only be carried out by qualified staff.
- Only use the rotation laser for the measuring activities set out in the instructions of use.
- Only use accessories that have been expressly recommended for use with the rotation laser.
- Any type of manipulation aimed at increasing the laser power is prohibited. No liability will be assumed for damage caused by not observing these safety instructions.
- The laser pointer doesn't contain any serviceable components. Therefore please do not open the housing. The warranty will become void if you do so.
- Please keep the system out of reach of children.

Technical data

Wave length: 635 nm

Power supply Rotations laser 2 x 1.5 V D batteries

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Maximum power output: 1mW
Measuring range: up to a radius of 15 m
Precision +/- 0.4 mm/m
Operating temperature: 0° - 40°C

Results measured with the rotation laser must generally be checked. kwb cannot assume any liability for measuring errors and resulting consequential damage.

Laser beam – do not look into the beam.

Laser Class 2 in accordance with EN 60825-1: 2007

CE DECLARATION OF CONFORMITY

We, kwb tools GmbH & Co. KG, declare at our sole responsibility, that the device, type: GLUE GUN FL-005, GLUE GUN FL-007, GLUE GUN FL-528, which is referred to by this declaration complies with the following standards: EN 60335-2-45:2002+A1:2008, EN 60335-1:2002+A1, A11:2004+A12, A2:2006+A13:2008, EN 62233:2008 and the provisions of the 2006/95/EC guideline.


kwb Produktentwicklung

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Member of the **Einhell** Group



WARNING!
Electrical devices should never be discarded with household garbage. Please bring these to the appropriate collection center

