

Accuracy Check

Influences on Accuracy

The ambient temperature has the greatest influence. Especially temperature differences between the measuring tool and the measuring beam. The deviations play a role in excess of approx. 65 ft measuring distance and in easily reach two to four times the deviation. The measuring tool should always be mounted on a tripod when measuring distances exceeding 65 ft. The measuring tool should be level with the center of the work area.

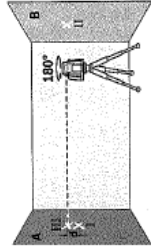
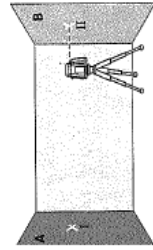
Checking the Leveling Accuracy

Start from exterior influences, device-specific influences (such as wind or vibration) and the influence of the measuring tool. Therefore, check the accuracy of the measuring tool each time before starting your work. A free measuring distance of 30 ft on a firm surface, bottom, or wall is recommended. The measuring tool should be level with both axes X and Y (each positive and negative; 4 complete measurements).

Mount the measuring tool in the horizontal position onto a tripod 23 (accessory) or place it on a firm and level surface near wall A. Switch the measuring tool on.

After the leveling, mark the center of the laser beam on wall A (point I).

Rotate the measuring tool by 180°, allow it to level and in mark the center point of the laser beam on wall B (point II).



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beam on the opposing wall B (point II).

Without turning the measuring tool, position it close to wall B. Switch the measuring tool on. The laser beam is projected from point I on wall A to point II on wall B. The distance between the walls is 50 ft.

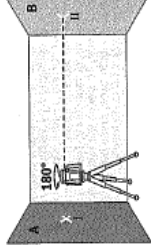
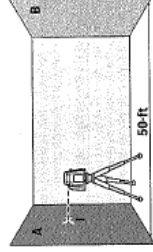
Align the height of the measuring tool (using the tripod or by propping), so that the center of the laser beam runs exactly against the previously marked point II on wall B.

Rotate the measuring tool by 180° without changing the height. Now the laser beam runs from point II on wall B to point I on wall A (point III). Take care that point III is as vertical as possible above or below point I.

The difference d of both marked points I and III on wall A amounts to the actual deviation of the measuring tool for the measured axis.

Repeat the measuring procedure for the other measuring axis. The maximum allowed deviation is 1.46 mm (0.058 in) for a measuring distance of 100 m (328 ft). The maximum allowed deviation is 4.06 mm (0.16 in) for a measuring distance of 275 m (902 ft). The maximum allowed deviation is 4.06 mm (0.16 in) for a measuring distance of 275 m (902 ft). The maximum allowed deviation is 4.06 mm (0.16 in) for a measuring distance of 275 m (902 ft).

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Remote control

Safety Notes
Read and observe all instructions.
SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.

WARNING Have the remote control repaired only using a qualified repair person and only using identical replacement parts. This warning is to prevent the malfunction of the remote control is maintained.

Do not operate the remote control in explosive atmospheres, such as in the presence of oil, gas, or dust. The remote control can be created in the remote control which may ignite the dust or fumes.

Read and strictly observe the safety warnings in the operating instructions of the rotational laser.

Product Description and Specifications

Intended Use
The remote control is intended for controlling CS7/berger rotational laser levels with infra-red receivers, in indoor and outdoor use.

Product Features

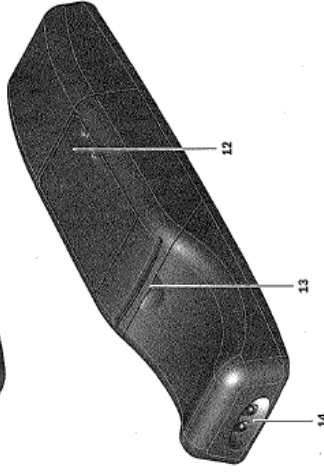
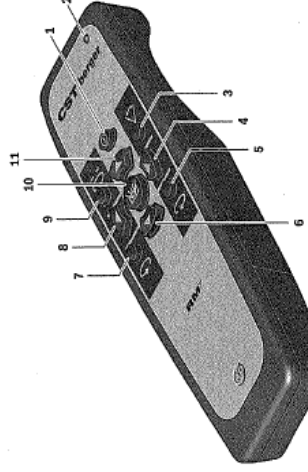
The numbering of the product features refers to the illustration of the remote control on the graphics page. (see page 17)

1. Operation indicator
2. Sweep mode button
3. Right direction button
4. Button for "rotation in clockwise direction"
5. Lower direction button
6. Button for "rotation in counter clockwise direction"
7. Left direction button
8. Button for rotational operation and selection of the beam speed
9. Auto-leveling
10. Battery lid
11. Latch of battery lid
12. Battery lid
13. Latch of battery lid
14. On/Off button for infra-red beam

The accessories illustrated or described are not included as standard delivery.

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RM7 Remote Control



RM7

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Technical Data

Remote Control	
Article number	100-900010-1
Working range	100-150 m
Operating temperature	+15° to 52° F (-10°C to 12°C)
Storage temperature	-45° to 140° F (-53°C to 57°C)
Weight	2.14 lb (0.97 kg)
Dimensions	2.14 x 1.1 x 0.4 in (54 x 28 x 10 mm)

The measuring tool can be destroyed by ultraviolet light. The tool is not intended for use in explosive atmospheres. The tool is not intended for use in explosive atmospheres. The tool is not intended for use in explosive atmospheres.

Please observe the article number on the type plate of your remote control. The type name of the remote control may vary. For the latest information, see the serial number 15 on the type plate.

Assembly

Inserting/Replacing the Battery
The remote control is intended for use in the operation of the remote control. To open the battery lid 12, pull on the latch 13 and remove the battery lid. Insert the battery with the correct polarity according to the representation on the inside of the battery compartment.

The batteries must be replaced when operation indicator 2 no longer lights up after pressing any button. The batteries must be replaced at the same time. Always replace all batteries at the same time. Only use batteries from one brand and with the identical capacity.

Remove the batteries from the remote control when not using it for long periods of time. The batteries must be replaced at the same time. Always replace all batteries at the same time. Only use batteries from one brand and with the identical capacity.

Operation

Initial Operation
Protect the remote control against moisture and direct sunlight.

Do not subject the remote control to extreme temperatures or variations in temperature. As an example, do not leave the remote control in the sun or in the cold. The remote control is not intended for use in explosive atmospheres. The remote control is not intended for use in explosive atmospheres. The remote control is not intended for use in explosive atmospheres.

Set up the rotational laser in such a manner that the signals of the remote control directly reach the receiver. The remote control is not intended for use in explosive atmospheres. The remote control is not intended for use in explosive atmospheres. The remote control is not intended for use in explosive atmospheres.

Single-axis Slope Operation/Aligning the Rotational Plane in the Vertical Position

Depending on the position of the rotational plane, the remote control can be used in the following ways:
- To align the rotational plane in the vertical position, press the right direction button 3 and the lower direction button 6. For this operation, the remote control must be in the horizontal position. When the rotational plane is in the horizontal position, you can rotate the rotational plane around the X-axis by pressing the right direction button 3 and the lower direction button 6. When the rotational plane is in the vertical position, you can rotate the rotational plane around the Y-axis by pressing the right direction button 3 and the lower direction button 6. (See Fig. 6.)

Maintenance and Service

Maintenance and Cleaning

Keep the remote control clean at all times.

Do not immerse the remote control into water or other liquids.

Wipe off debris using a moist and soft cloth. Do not use any cleaning agents or solvents.

If the remote control should fail despite the care taken in manufacture and testing, repair should be carried out by an authorized customer service center. Do not attempt to repair the remote control yourself.

Rotating the Laser Point/Laser Line in the Rotational Plane

The laser point or the laser line can be rotated in the rotational plane by pressing the right direction button 3 to rotate in clockwise direction and button 7 to rotate in counter clockwise direction (See Fig. 6).

Pressing and holding the buttons increases the speed of rotation. The rotation speed can be adjusted by pressing the right direction button 3 to rotate in clockwise direction and button 7 to rotate in counter clockwise direction (See Fig. 6).

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