

SuperCross-Green 3

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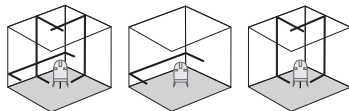
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**AUTOMATIC
LEVEL**



Laserliner[®]
Innovation in Tools

Latest-generation green crossline laser – visible even in the most unfavourable light conditions.

Crossline laser, 532-542 nm, with automatic alignment through magnetically damped pendulum system, 1,5° self-levelling range. Green lasers are many times more visible than customary red lasers. This allows applications over longer distances and working in very bright ambient light conditions. Through the rotatable housing, the lasers can be precisely positioned. Precision: ± 2 mm/10 m. With additional 650 nm plumb laser line.

General safety instructions

Caution: Prior to using the laser, you must read the safety instructions for laser class 3R thoroughly. Warning signs must not be removed from the laser measuring device! Do



Laser radiation!
Avoid direct exposure to the
eyes. Laser class 3R
< 5 mW · 530 - 670 nm
EN60825-1:2007-10

not look directly into the beam. Lasers must be kept out of reach of children. Never intentionally aim the device at people. This is a quality laser measuring device and is 100% factory adjusted within the stated tolerance. For reasons of product liability, we

must also draw your attention to the following: Regularly check the calibration before use, after transport and after extended periods of storage. We also wish to point out that absolute calibration is only possible in a specialist workshop. Calibration by yourself is only approximate and the accuracy of the calibration will depend on the care with which you proceed.

Note: This product is a precision instrument that must be handled and treated with care. Avoid shocks and impact. Always keep and carry in the case! Switch all lasers off and secure the pendulum. For cleaning, use a soft cloth and glass cleaner.

Warranty:

The warranty period is 2 years from the date of purchase. The warranty covers all material or manufacturing defects occurring during this time. The following are excluded from warranty: Damage due to improper use (e.g. operation with wrong type of current/voltage, connection to unsuitable power source, fall onto hard surface, etc.) or improper storage, normal wear and tear, and defects which only insignificantly impair the value or suitability for use. Any tampering by unauthorised persons will render this warranty void. In the event that you need to claim warranty, please take the complete device together with all information and the invoice to one of our dealers or send it in to Umarex-Laserliner.



- 1 Windows for line lasers
- 2 ON / OFF switch Transport securing device
- 3 Knob for precision adjustment
- 4 Adjustable feet
- 5 5/8" thread (underside)
- 6 Window for plumb laser (underside)
- 7 Tripod adapter
- 8 Round vial for rough adjustment
- 9 Laser line selection button
- 10 Battery compartment
- 11 Battery charge low when LED lights up (Low Bat. display). The laser lines appear weaker or flicker.

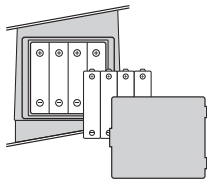


Note:

It may come to a generation of heat if all lasers are on for a longer period. In this case the unit will switch off automatically to protect itself. After cooling down it can be switched on again.

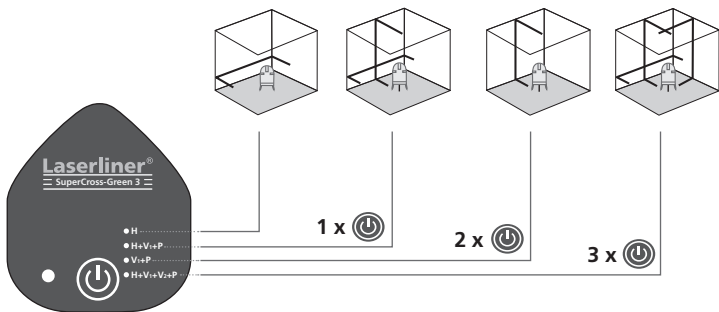
Inserting the batteries

Open the battery compartment (10) and insert the batteries in accordance with the installation symbols, ensuring the correct polarity. Close the cover. Battery charge low: replace batteries when LED (11) lights up.



Switching on

Turn the ON/OFF switch (2) to the left, thereby releasing the transport securing device. The unit is ready for use when the selector key lights up and a horizontal laser line appears. Further laser lines can be switched on or off by pressing selector key repeatedly.



Aligning

For approximate adjustment of the lasers, the top part can be turned on the base. Precise positioning can then be done with the precision adjustment knob (3). The adjustable feet (4) allow the device to be positioned on sloping surfaces.

Note:

If the device is too far off the horizontal (more than $1,5^\circ$), the lasers will switch off. Align the device using the adjustable feet (4) or place on a more level surface. The round vial (8) is provided as an aid to alignment.

Note:

Regularly check the calibration before use, after transport and after extended periods of storage.



Technical data

Self-levelling range	1,5°
Precision	± 2 mm / 10 m
Laser wavelength line lasers	532 - 542 nm
Laser wavelength plumb laser	650 nm
Laser class line lasers	3R / < 5 mW
Laser class plumb laser	2 / < 1 mW
Power supply / operating time	4 x 1,5V AA / ca. 2,5 h
Weight	1,2 kg
Operating temperature	0°C ... + 40°C
Storage temperature	-10°C ... + 70°C
Order number	054.000A
Subject to technical alterations	12/2009

Information on precision:



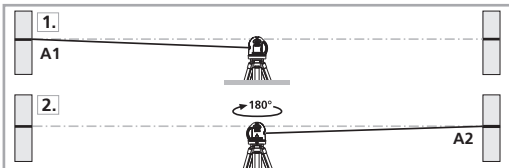
Precision 2 mm / 10 m: Adjust the device using the adjusting screws (6) in such a way that the bubble of the circular level (8) is exactly in the middle.



Precision 3 mm / 10 m: Adjust so that the bubble of the circular level is within the ring.

Preparing the calibration check:

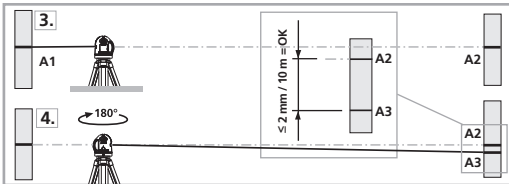
It is possible for you to check the calibration of the laser. To do this, position the device **midway** between 2 walls, which must be at least 5 metres apart. Switch the device on (Laser cross ON). The best calibration results are achieved if the device is mounted on a tripod. **1.** Mark point A1 on the wall.



2. Turn the device through 180° and mark point A2. You now have a horizontal reference between points A1 and A2.

Performing the calibration check:

3. Position the device as near as possible to the wall at the height of point A1.



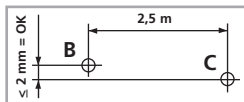
4. Turn the device through 180° and mark point A3. The difference between points A2 and A3 is the tolerance.

Note: If points A2 and A3 are more than 2 mm / 10 m, the device is in need of calibration. Contact your authorised dealer or else the UMAREX-LASERLINER Service Department.

Checking the vertical line: Position the device about 5 m from a wall. Fix a plumb bob with a line of 2.5 m length on the wall, making sure that the bob can swing freely. Switch on the device and align the vertical laser to the plumb line. The precision is within the specified tolerance if the deviation between the laser line and the plumb line is not greater than ± 1.5 mm.

Checking the horizontal line:

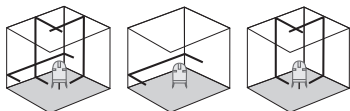
Position the device about 5 m from a wall and switch on the cross laser. Mark point B on the wall. Turn the laser cross approx. 2.5 m to the right and mark point C. Check whether the horizontal line from point C is level with point B to within ± 2 mm. Repeat the process by turning the laser to the left.



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