



LAMIGO

CROSS 3DG

USER'S MANUAL



rotating lasers

line lasers

optical instruments

measuring devices

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SET CONTENTS



Standard set includes: laser, two-piece wall bracket, target plate, glasses, profiled hard case, batteries, two-piece charger, battery adapter and manual.

If any of the above items are missing from your kit, please contact your dealer to complete the set.

THE INSTRUMENT



HANDLING

Batteries

The instrument can be powered in two ways: using a dedicated lithium-ion battery or the included adapter for 4 AA(R6) batteries.

Installing the batteries:

1. Open the cover on the bottom of the instrument.
2. Insert the rechargeable battery or the adapter with batteries.
3. Close the cover.



The battery level is indicated by 4 LEDs next to the battery icon on the top of the device.

Notes:

During long periods of inactivity, the power source should be removed from the device.

WORK

Setup

The laser should be placed on included wall bracket or on a roughly leveled tripod by screwing the instrument firmly to the tripod head and setting it at the desired height.

Power on

To turn on the laser, move the compensator lock switch to the ON position. After unlocking the compensator, the laser line will light automatically.



WARNING:

The compensator should only be unlocked when working with the instrument. The compensator MUST be locked during transport. Not following this rule may damage the compensator and void the warranty.

Leveling

When the instrument is turned on, the laser diodes should emit light continuously. If the lines displayed by the device flash after unlocking the compensator, it means that the laser is beyond the self-leveling range. In this case, set the laser so that the deviation from the horizon level does not exceed 3.5° .

Slopes

It is possible to determine slopes using the inclination of planes displayed by the device. To do this, move the compensator switch to the OFF position and hold the button marked "laser" on the top of the device for a longer time.



Flashing lines when working on a blocked compensator, indicate that the device is working in the slopes mode.

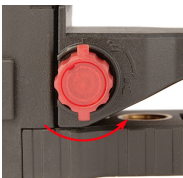
Planes switching

Using the button with the word "laser" on the top of the device, it is possible to switch the lines that will be displayed by the instrument.



Working with a receiver

The receiver is not included in the standard equipment of the device, however, it is possible to use the receiver (eg RC-10) to cooperate with the laser in order to facilitate identification of the laser beam. To enable working with a receiver, press the pulsation button (picture on the left) so that the LED next to it lights up. Now the device can work with a receiver.



Working with the wall bracket

The set includes a wall mount with lock and height adjustment. To work with it, place the device on the holder with the fixing screw, then release the lock on the right side of the by turning the knob counterclockwise.



Next, use the knob on the left side of the bracket to set the desired height and lock it so that the laser does not change its height by itself.

ATTENTION:
The lock works with strong resistance.

SPECIFICATIONS

accuracy	±2mm/10m
self leveling range	±3,5°
working range	up to 20m, 60m with receiver
laser diode	green, 520-535nm
temperature working range	-20°C to +50°C
power supply	Li-Ion 2600mAh battery
working time	8h
water/dust protection	IP 44
dimensions	142mm x 85mm x 127mm
weight	0,75kg

WARNINGS

- Avoid looking directly into the laser beam while working with the laser. Exposing your eyesight to the direct effects of the laser for an extended period of time may damage your eyesight.
- In the event of a malfunction, do not try to repair the device yourself. Trying to repair it yourself may worsen the problem. Have the instrument serviced.
- Before starting work, make sure that the instrument is securely screwed to the tripod and the tripod legs are properly locked. Otherwise, the instrument may fall to the ground, possibly causing serious damage.
- Do not place the instrument at the eye level of drivers or pedestrians while working.

WARNING!

The device must not work in a wet environment (rain) for a long time. After finishing work in humid conditions, the device should be wiped dry with a cloth and left in a dry room in an open container until the device is completely dry.

PRECAUTIONS

- The instrument should not work in hostile temperatures, or in places where the temperature changes dynamically. It may cause its malfunction and may also cause erroneous measurements.
- Store the instrument in its original case, away from vibration, dust and moisture.
- If the temperature in the workplace and storage space differ greatly, allow the instrument to warm up to ambient temperature before starting work.
- The instrument should be transported with care, without risk of falls and strong vibrations.

The declaration of conformity to CE

We declare that this product complies with the following directives and standards: EN 60825-1:2007

In observance of European Directive 2002/96/EC on waste electrical and electronic equipment and its implementation in accordance with national law, electric tools that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.

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Electromagnetic Compatibility (EMC):

Can not be completely excluded that this instrument will disturb other instruments (eg. navigation systems), will be disturbed by other instruments (eg. an intense electromagnetic waves in the vicinity of industrial facilities or radio transmitters).



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