



Laserliner LaserRange-Master Gi4 User Guide

[Home](#) » [Laserliner](#) » Laserliner LaserRange-Master Gi4 User Guide 

Contents

- 1 Laserliner LaserRange-Master Gi4
- 2 OVERVIEW
- 3 DIMENSION
- 4 Function / Application
- 5 General safety instructions
- 6 Safety instructions
- 7 Inserting batteries
- 8 DISPLAY
- 9 KEYPAD
- 10 Switch on, measure and switch off
- 11 Length measurement
- 12 Area measurement
- 13 Volume measurement
- 14 Min./max. measurement
- 15 Important notices
- 16 Error codes
- 17 Information on maintenance and care
- 18 Calibration
- 19 Technical Data (Subject to technical changes without notice. 21W09)
- 20 EU directives and disposal
- 21 SERVICE
- 22 Documents / Resources
 - 22.1 References
- 23 Related Posts

Laserliner

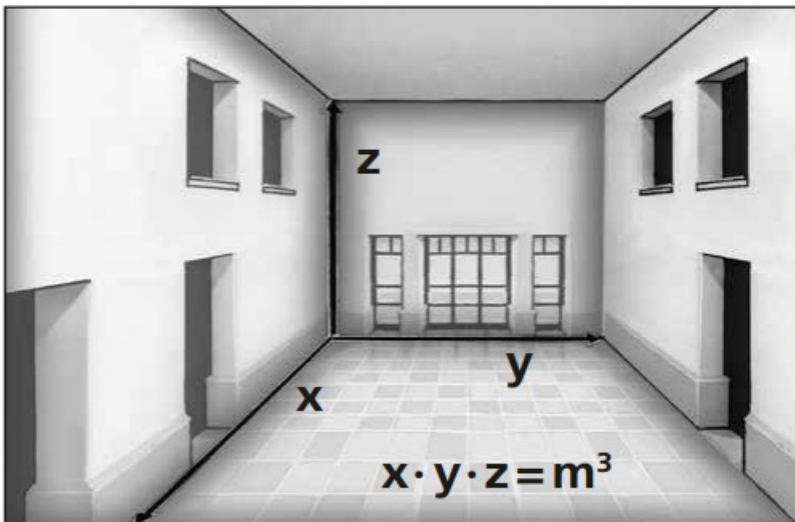
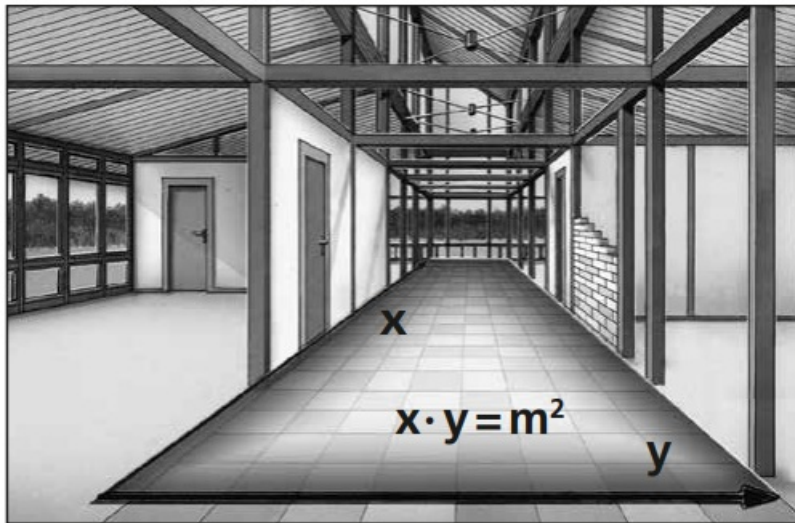
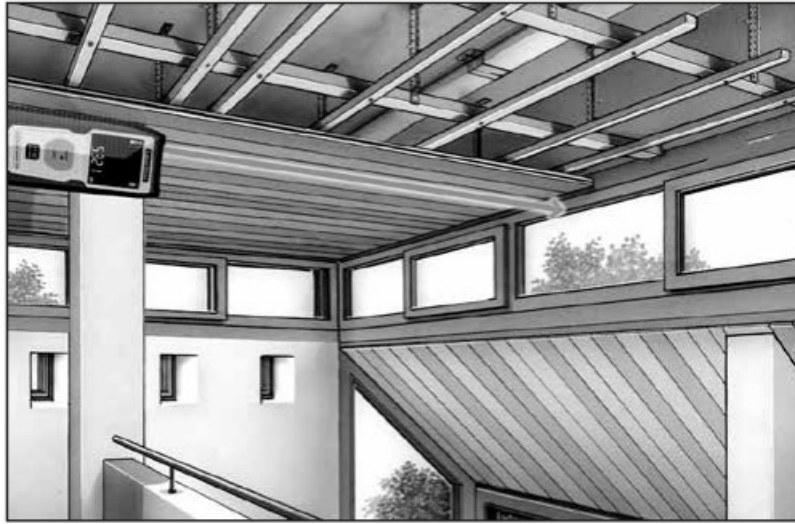
Laserliner LaserRange-Master Gi4



OVERVIEW



DIMENSION



Completely read through the operating instructions, the „Warranty and Additional Information“ booklet as well as the latest information under the internet link at the end of these instructions. Follow the instructions they contain. This document must be kept in a safe place and if the laser device is passed on, this document must be passed on with it.

Function / Application

Laser distance meter – with green laser technology

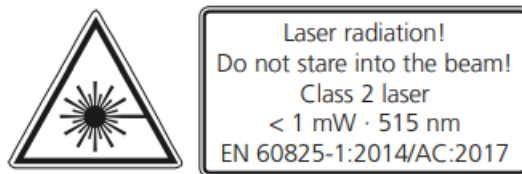
Functions: distances, area, volume, min./max. measurement

General safety instructions

- The device must only be used in accordance with its intended purpose and within the scope of the specifications.
- The following persons may use the device only when they are either supervised by a person who is responsible for their safety or have received instruction from this person on how to use the device:
 - Persons with restricted physical, sensory or mental abilities
 - Persons with no knowledge and/or experience in the use of the device
 - Children (under the age of 14)
- The device and its accessories are not toys.
- Modifications or changes to the device are not permitted, this will otherwise invalidate the approval and safety specifications.
- Do not expose the device to mechanical stress, extreme temperatures, moisture or significant vibration.
- The device must no longer be used if one or more of its functions fail or the battery charge is weak.
- Please ensure compliance with the safety regulations set out by local and national authorities with regard to the correct and proper use of the device.

Safety instructions

Using class 2 lasers



Attention: Do not look into the direct or reflected beam.

- Do not point the laser beam towards persons.
- If a person's eyes are exposed to class 2 laser radiation, they should shut their eyes and immediately move away from the beam.
- Tampering with (making changes to) the laser device is not permitted.
- Under no circumstances should optical instruments (magnifying glass, microscope, binoculars)

Dealing with electromagnetic radiation

- The measuring device complies with electromagnetic compatibility regulations and limit values in accordance with EMC-Directive 2014/30/EU.
- Local operating restrictions – for example, in hospitals, aircraft, petrol stations or in the vicinity of people with pacemakers – may apply. Electronic devices can potentially cause hazards or interference or be subject to hazards or interference.
- The measuring accuracy may be affected when working close to high voltages or high electromagnetic

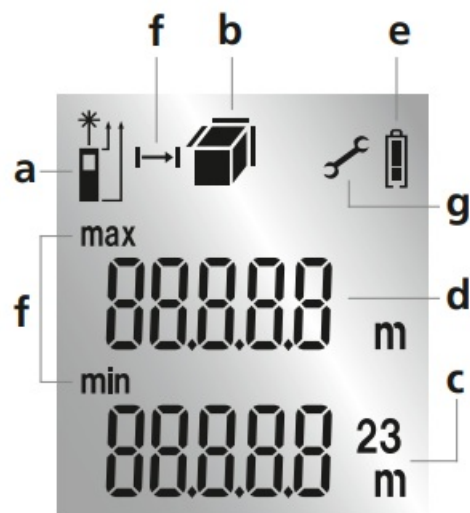
alternating fields.

Inserting batteries



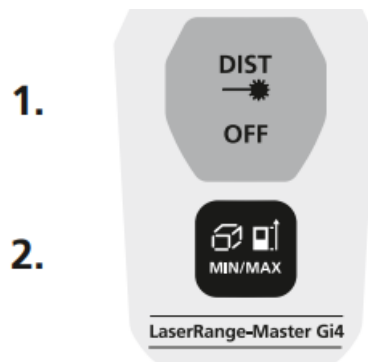
- Open the battery compartment and insert batteries (2 x typ AAA) according to the symbols. Be sure to pay attention to polarity.

DISPLAY



- **A.** Measurement point (reference) rear/front
- **B.** Display length / area / volume
- **C.** Measurement values / Measurement results Unit m
- **D.** Intermediate values / min/max values
- **E.** Battery symbol
- **F.** Min./max. measurement
- **G.** Malfunction/service required

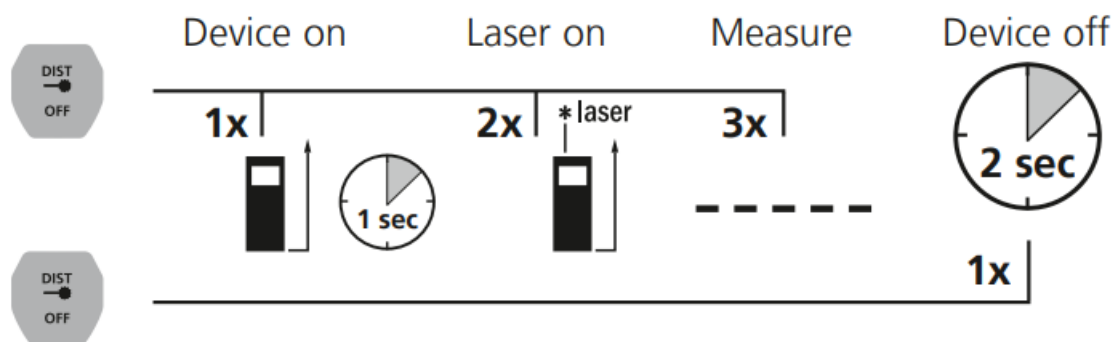
KEYPAD



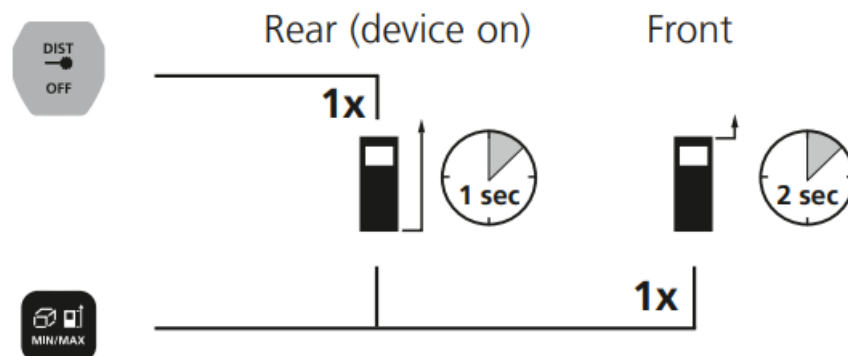
1. ON / Measure / OFF

2. Length, area, volume, min./max. measurement Measurement point (reference) rear / front

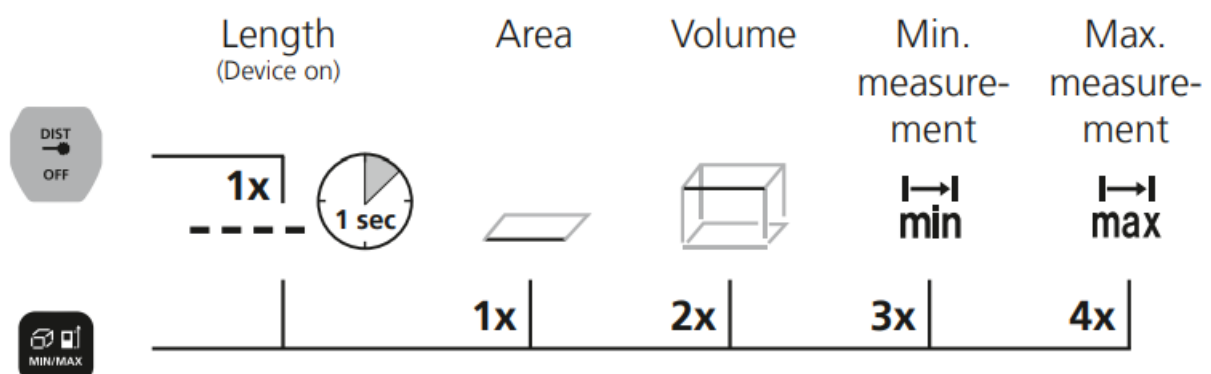
Switch on, measure and switch off



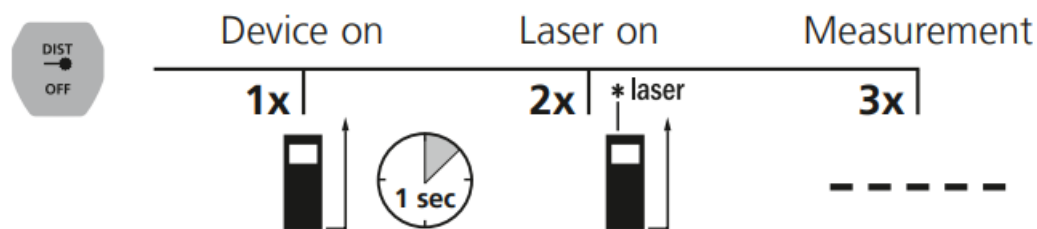
Change measurement point (reference)



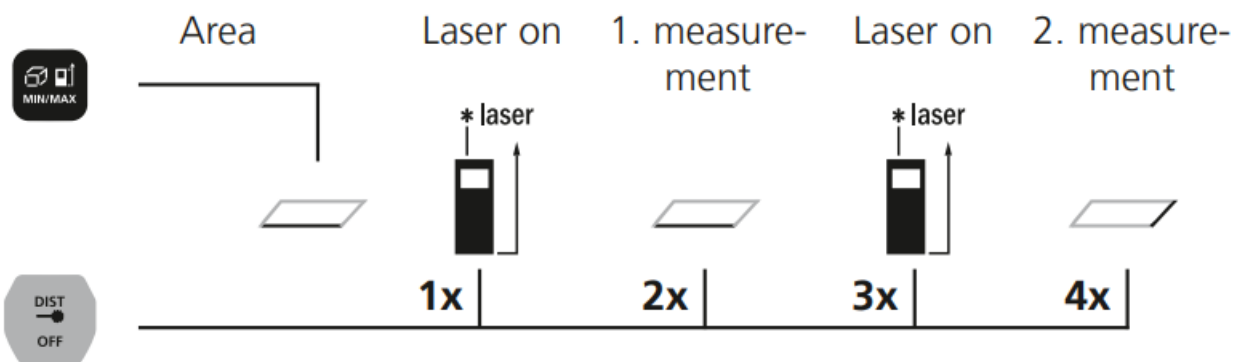
Change measurement function



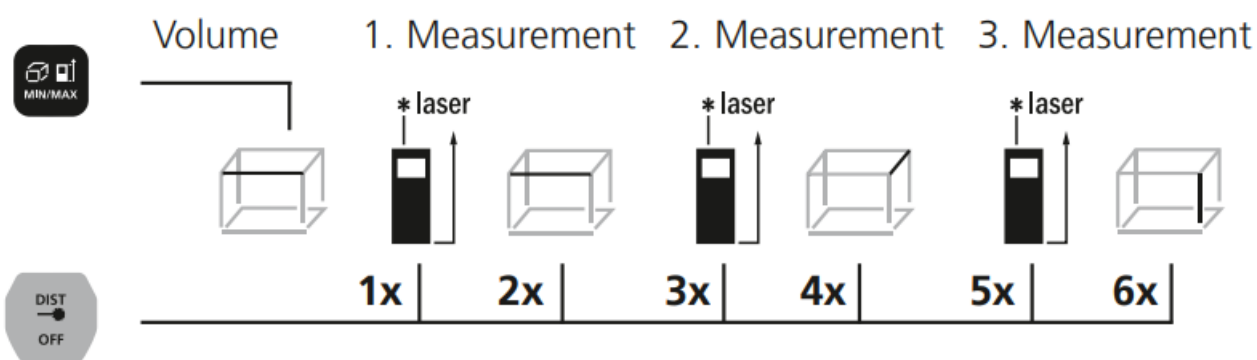
Length measurement



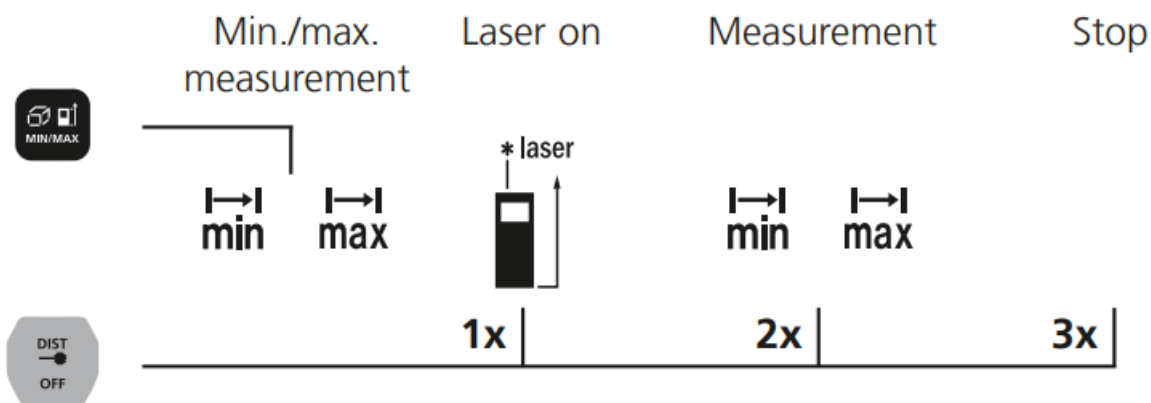
Area measurement



Volume measurement



Min./max. measurement



- **Min. measurement:** The LC display shows the lowest value (min.) and the current value.

- **Max. measurement:** The LC display shows the highest value (max.) and the current value.

Important notices

- The laser points to the location that will be measured.
- No objects may get into the laser's line of measurement.
- The device compensates the measurement for different room temperatures. Therefore allow the device a brief adaptation period when changing locations with large temperature differences.
- The device is only conditionally useable in outdoor areas and cannot be used in strong sunlight.
- The measurement results of outdoor measurements may be influenced or falsified by rain, fog and snow.
- In unfavorable conditions, e.g. with poorly reflecting surfaces, the maximum deviation may be greater than 3 mm.
- Carpeting, upholstery or curtains will not reflect the laser optimally. Measure to flat surfaces.
- Measurements made through glass (window panes) can falsify measurement results.
- An energy-saving function switches the device off automatically.
- Clean with a soft cloth. Water may not be allowed to penetrate the housing.

Error codes

- **Err08:** Pythagorean measurement error
- **Err10:** Replace the battery
- **Err11:** Data transfer error
- **Err14:** Calculation error
- **Err15:** Outside the measuring range
- **Err16:** Received signal too weak
- **Err26:** Value outside display range

Information on maintenance and care

Clean all components with a damp cloth and do not use cleaning agents, scouring agents and solvents. Remove the battery(ies) before storing for longer periods. Store the device in a clean and dry place.

Calibration

The measuring device should be calibrated and tested on a regular basis to ensure it is accurate and working properly. We recommend the measuring device is calibrated every 1 – 2 years. If necessary, contact your distributor or the UMAREX-LASERLINER service department.

Technical Data (Subject to technical changes without notice. 21W09)

Precision (typical)*	± 2 mm
Measurement range (inside)**	0.3 m – 40 m
Laser class	2 / < 1 mW (EN 60825-1:2014/AC:2017)
Laser wavelength	515 nm
Operating conditions	-10°C ... 40°C, max. humidity 20 ... 85% rH, no condensation, max. working altitude 2000 m above sea level
Storage conditions	-20°C ... 70°C, max. humidity 80% rH
Automatic switch-off	30 sec laser / 3 min device
Power supply	2 x 1.5V LR03 (AAA)
Dimensions (W x H x D)	40 x 110 x 24 mm
Weight (incl. batteries)	90 g

measuring distance up to 10 m with strongly reflective target surface and at room temperature. The measurement deviation may increase by ± 0.2 mm/m for weakly reflective target surfaces. at max. 5000 lux

EU directives and disposal

This device complies with all necessary standards for the free movement of goods within the EU. This product is an electric device and must be collected separately for disposal according to the European Directive on waste electrical and electronic equipment.

Further safety and supplementary notices at: <http://laserliner.com/info?an=AJJ>

SERVICE


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Documents / Resources

 <p>LaserRange-Master Gi4</p> <p>Laserliner</p>	<p>Laserliner LaserRange-Master Gi4 [pdf] User Guide</p> <p>LaserRange-Master Gi4, LaserRange, Master Gi4, LaserRange Gi4</p>
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References

-  [Info - Laserliner](#)
-  [Home](#)

Manuals+.