



# Laserliner 1519027 DistanceMaster Compact Laser Range Finder Reading Range Instruction Manual

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**Laserliner**

Laserliner 1519027 DistanceMaster Compact Laser Range Finder Reading Range

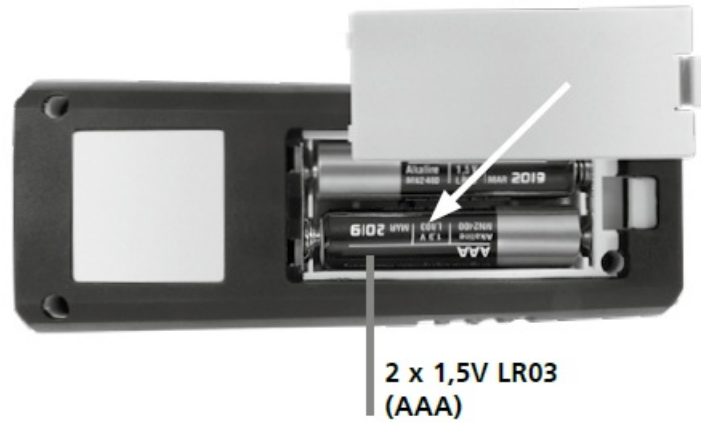


Completely read the operating instructions, the „Warranty and Additional Information“ booklet, and the latest information under the internet link at the end of these instructions. Follow the instructions they contain. This document must be kept in a safe place and if the laser device is passed on, this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

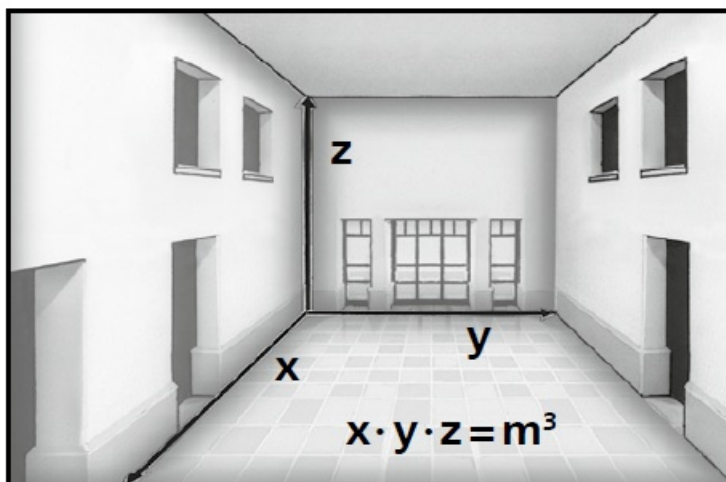
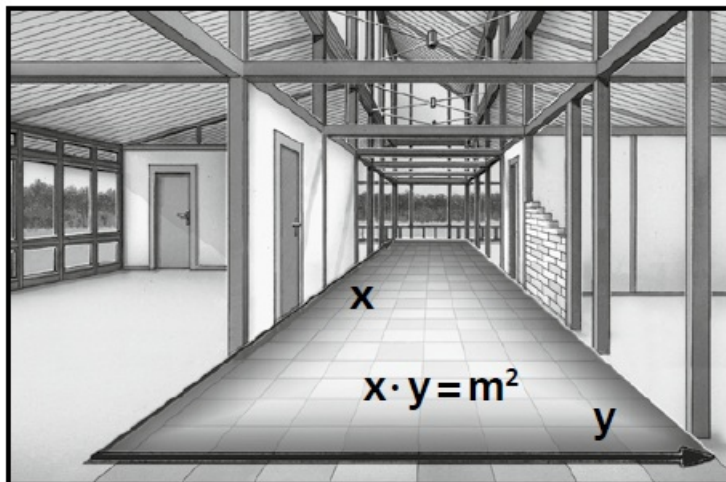
## OVERVIEW



## BATTERY INSTALLATION



## DistanceMaster Compact



## Function / Application

### Laser distance meter with colour display

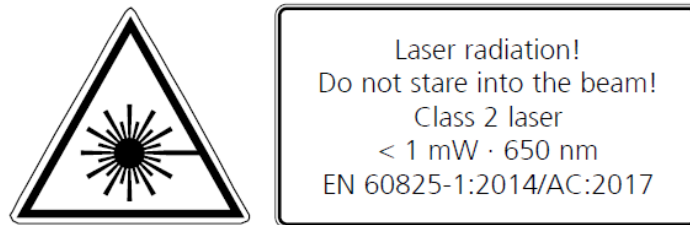
- For measuring length, area and volume
- Min/Max function for determining diagonals, verticals and horizontals

## General safety instructions

- The device must only be used in accordance with its intended purpose and within the scope of the specifications.
- The measuring tools and accessories are not toys. Keep out of reach of children.
- 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.
- When using the device outdoors, make sure that the weather conditions are appropriate and/or that suitable protection measures are taken.
- 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

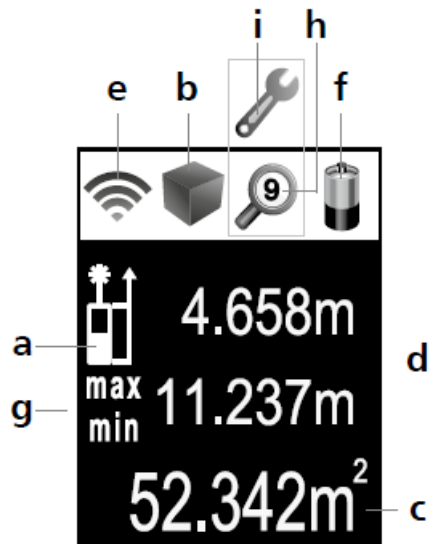


- **Attention:** Do not look into the direct or reflected beam.
- Do not point the laser beam towards persons.
- If a person's eyes are exposed to class 2 laser radiation, they should shut their eyes and immediately move away from the beam.
- Tampering with (making changes to) the laser device is not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

Dealing with electromagnetic radiation

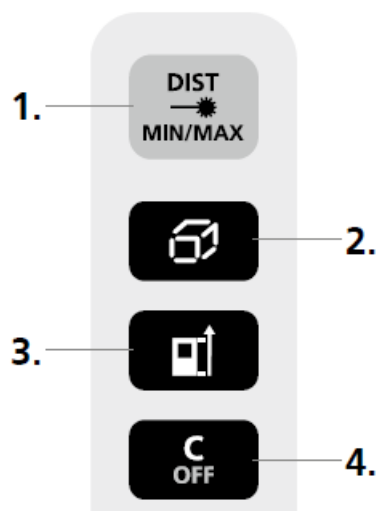
- The measuring device complies with electromagnetic compatibility regulations and limits in accordance with the EMC Directive 2014/30/EU.
- Local operating restrictions – for example, in hospitals, aircraft, petrol stations or in the vicinity of people with pacemakers – may apply. Electronic devices 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.

## DISPLAY



- **a.** Measurement point (reference) rear / front
- **b.** Display length / area / volume
- **c.** Measurement values / Measurement results Unit m / ft / inch / \_ ' \_"
- **d.** Intermediate values / min/max values
- **e.** The bar diagram shows how well suited the reflection surface is for measurement. This is particularly useful for measuring over long distances, dark surfaces or bright ambient light.
- **f.** Battery symbol
- **g.** Min/max continuous measurement
- **h.** Memory
- **i.** Malfunction / service required

## KEYPAD

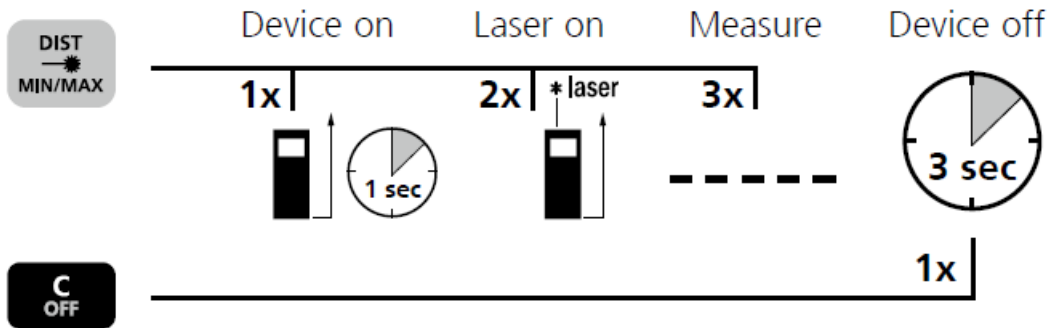


1. ON / Measure / min/max continuous measurement
2. Length, area, volume / Memory
3. Measurement point (reference) rear/front/ Unit of measure m / ft/inch / \_ ' \_"
4. OFF / delete last measurement values

Inserting batteries (see Fig. A)

Open the battery compartment and insert batteries according to the symbols. Be sure to pay attention to polarity.

Switch on, measure and switch off



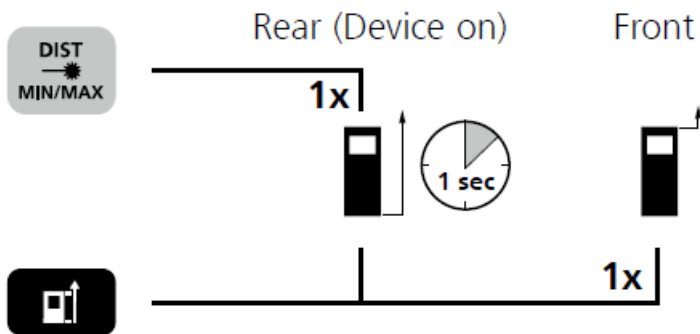
Change unit of measure: m / ft/inch / \_ ' \_ "



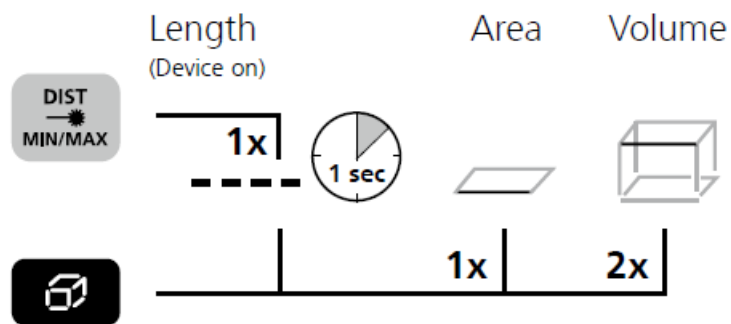
Delete the last measured value



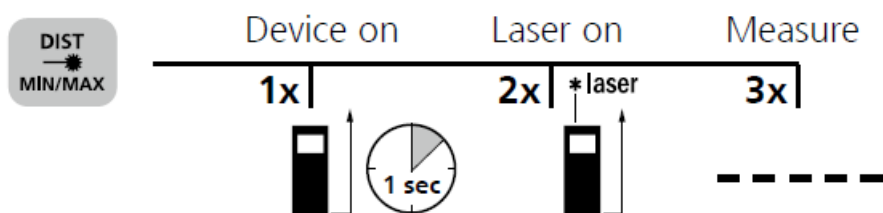
Change measurement point (reference)



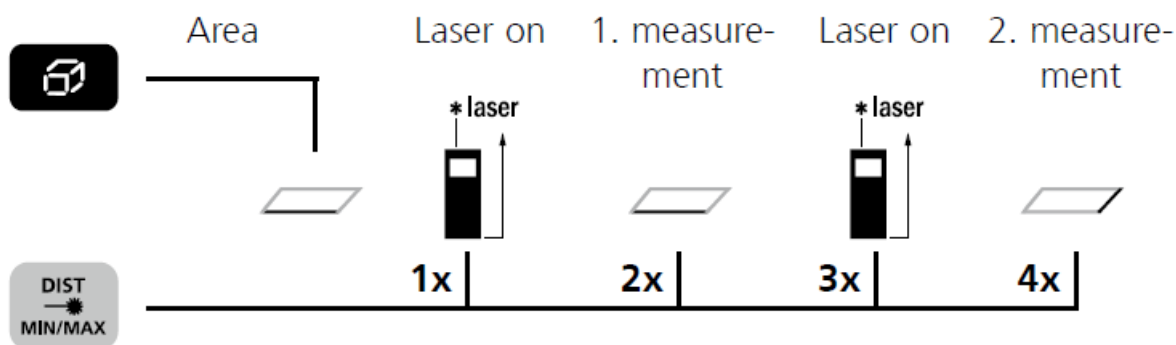
Change measurement function



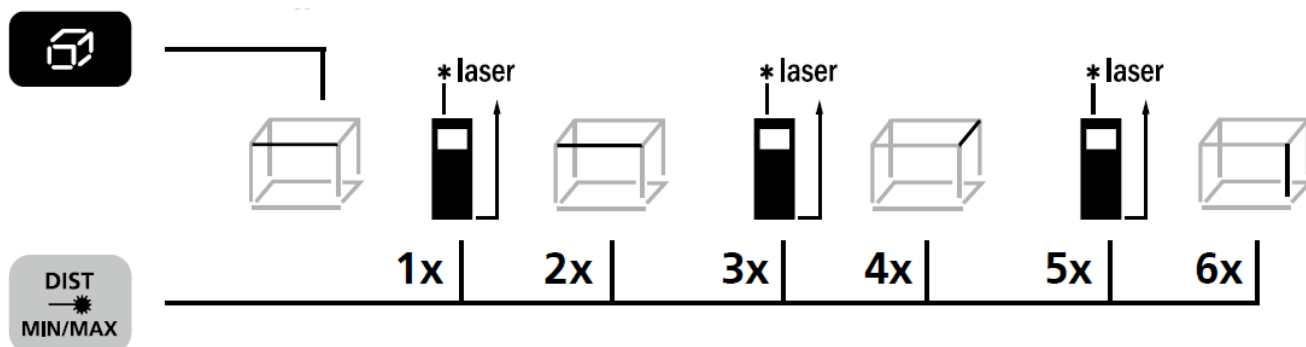
## Length measurement



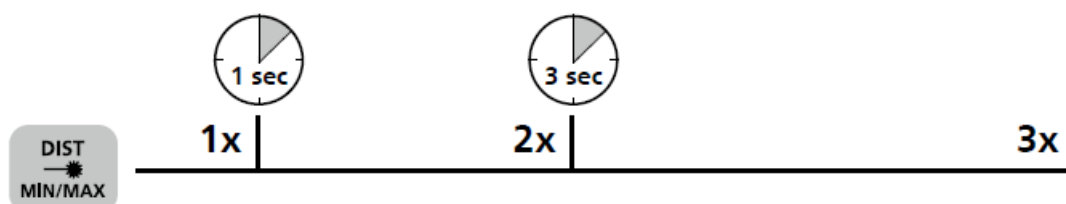
## Area measurement



## Volume measurement

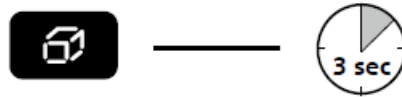


## Min/max continuous measurement



- The LC display shows the max value, the min value and the current value.

## Memory function



-  or  View stored values

## Error codes

- **Err101:** Replace the battery
- **Err104:** Calculation error
- **Err152:** Temperature is too high:  $> 40^{\circ}\text{C}$
- **Err153:** Temperature is too low:  $< 0^{\circ}\text{C}$
- **Err154:** Outside the measuring range
- **Err155:** Received signal too weak
- **Err156:** Received signal too strong
- **Err157:** Incorrect measurement or background is too bright
- **Err160:** The device is moving too much to measure.

## 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 unfavourable 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.

## 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 meter needs to be calibrated and tested on a regular basis to ensure it produces accurate measurement results. We recommend carrying out calibration once a year.

<b>Technical Data</b> (Subject to technical changes without notice. Rev21W31)	
Precision (typical)*	± 2 mm
Measurement range (inside)**	0,1 m – 25 m
Laser class	2 / < 1 mW (EN 60825-1:2014/AC:2017)
Laser wavelength	650 nm
Operating conditions	-10°C ... 40°C, max. humidity 80% 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)	27 x 110 x 43 mm

Weight	100 g (incl. batteries)
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- 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=ACF>

## DistanceMaster Compact



## SERVICE


- **Umarex GmbH & Co. KG**
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- [www.laserliner.com](http://www.laserliner.com)

## Documents / Resources

 <p>DistanceMaster Compact</p> <p>Laserliner</p>	<p><a href="#">Laserliner 1519027 DistanceMaster Compact Laser Range Finder Reading Range</a> [pdf] Instruction Manual</p> <p>1519027, DistanceMaster Compact Laser Range Finder Reading Range, 1519027 DistanceMaster Compact Laser Range Finder Reading Range</p>
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## References

-  [Home](#)