



Laserliner 080.810A Distance Check Instruction Manual

[Home](#) » [Laserliner](#) » Laserliner 080.810A Distance Check Instruction Manual 

Contents

- [1 Laserliner 080.810A Distance Check](#)
- [2 OVERVIEW](#)
- [3 DistanceCheck](#)
- [4 Function / Application](#)
- [5 General safety instructions](#)
- [6 Safety instructions](#)
- [7 Inserting batteries](#)
- [8 Distance Check](#)
- [9 min/max continuous measurement](#)
- [10 Important notices](#)
- [11 Information on maintenance and care](#)
- [12 Technical Data](#)
- [13 Documents / Resources](#)
 - [13.1 References](#)
- [14 Related Posts](#)

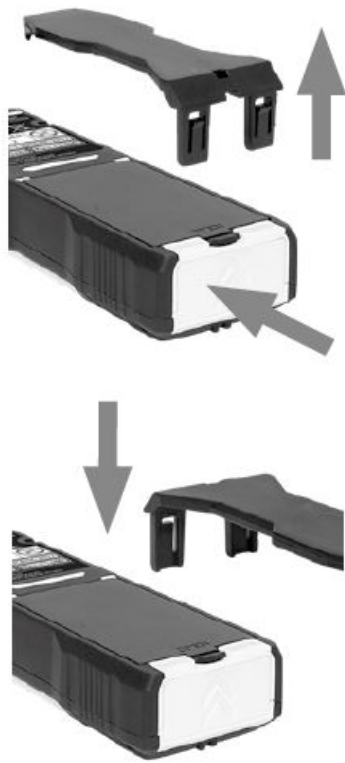
Laserliner

Laserliner 080.810A Distance Check



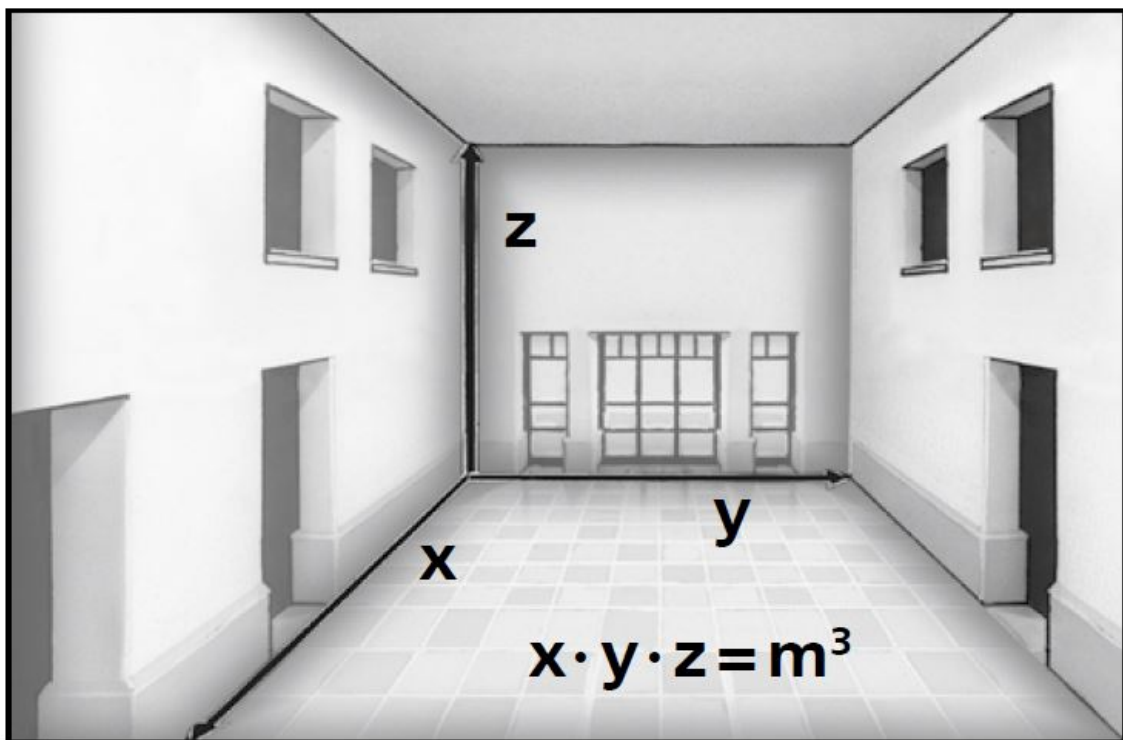
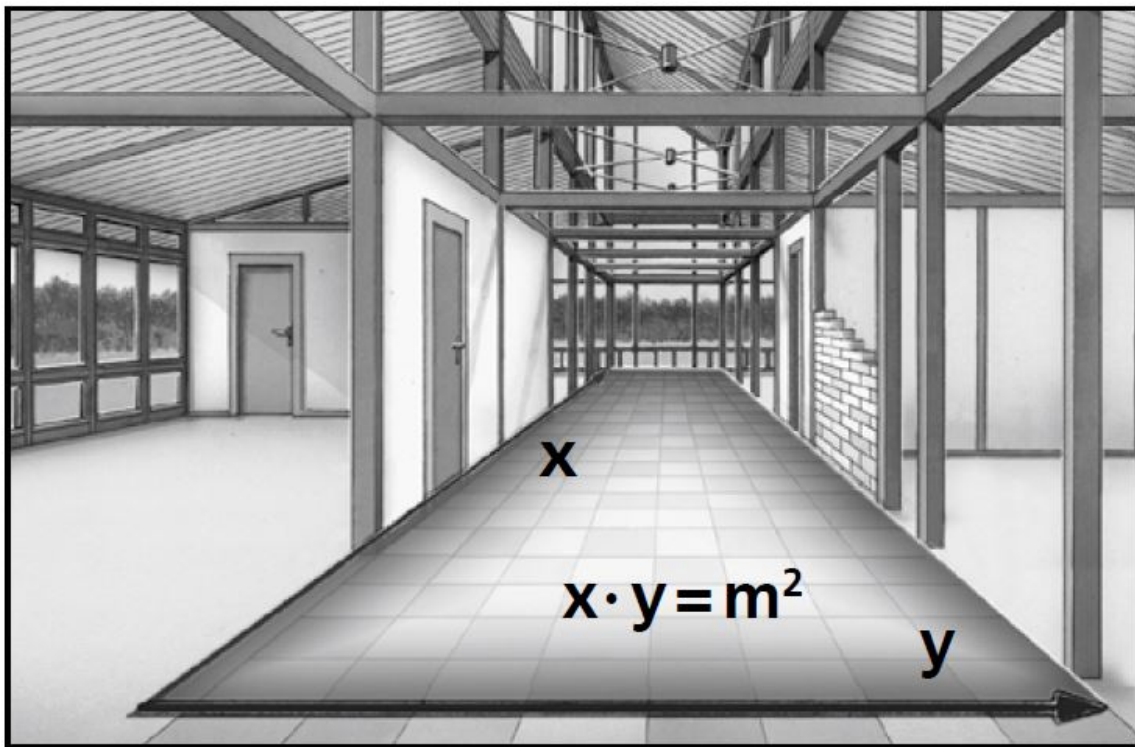
OVERVIEW





DistanceCheck





WARNING

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

Compact laser rangefinder for measuring lengths, surfaces and volumes indoors.

General safety instructions

- The device must only be used in accordance with its intended purpose and within the scope of the specifications.
- Keep the measuring device away from 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.
- 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

- Laser radiation!
- Do not stare into the beam! Class 2 laser
- $< 1 \text{ mW} \cdot 650 \text{ nm}$
- EN 60825-1:2014/AC:2017

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).
- 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.

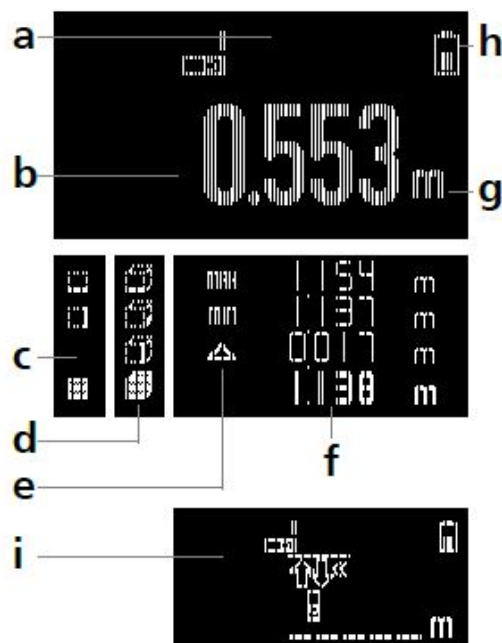
Inserting batteries

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



DISPLAY

- Measurement point (reference) rear / pin / front.
- Length measurement.
- Area measurement.
- Volume measurement.
- min/max continuous measurement Measurement values / Measurement results.
- Unit m / inch / ft / ft – inch Battery symbol.
- Malfunction.



KEYPAD

1. ON / Measure /min/max continuous measurement.
2. Length, area, volume / turn display.
3. Measurement point (reference) rear / pin / front / Unit of measure m / inch / ft / ft – inch.
4. Delete last measurement values / OFF.

1.



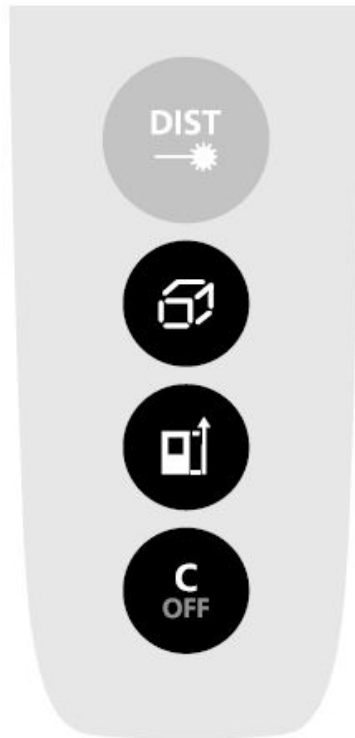
2.



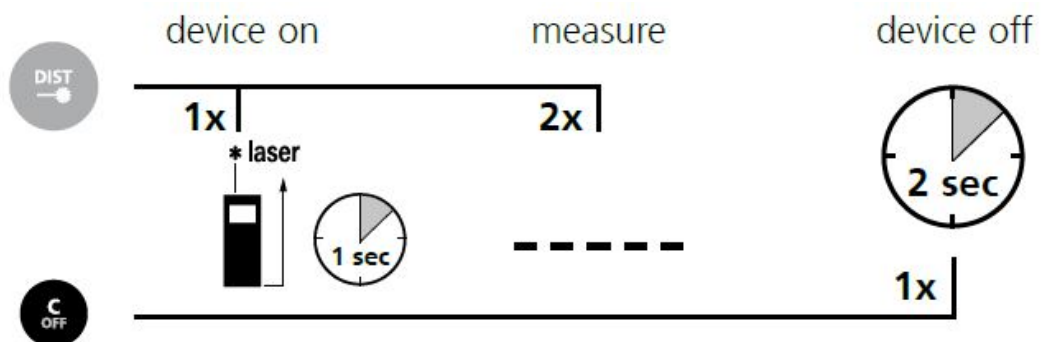
3.



4.



Switch on, measure and switch off



Change unit of measure



Delete the last measured value

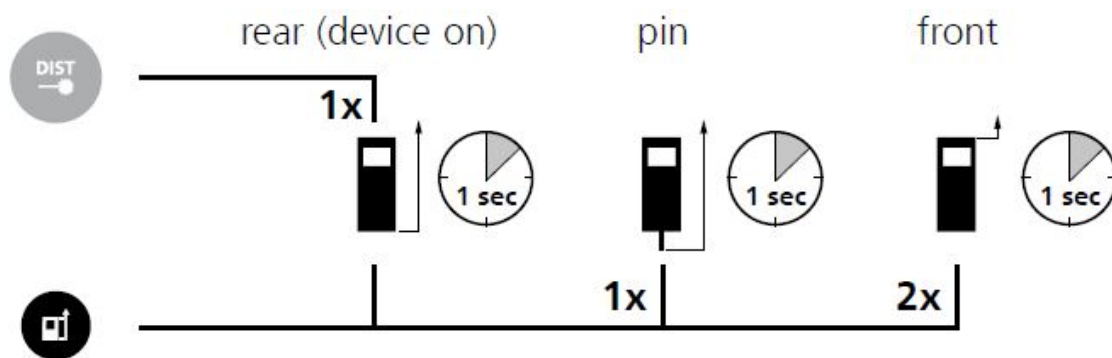


Distance Check

Turn display



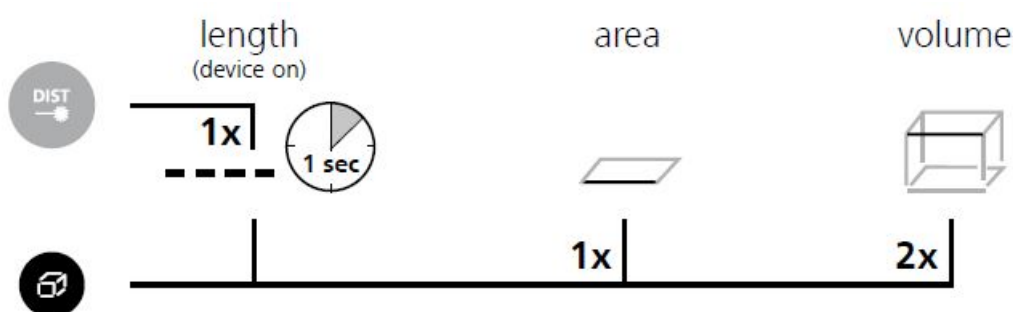
Change measurement point (reference)



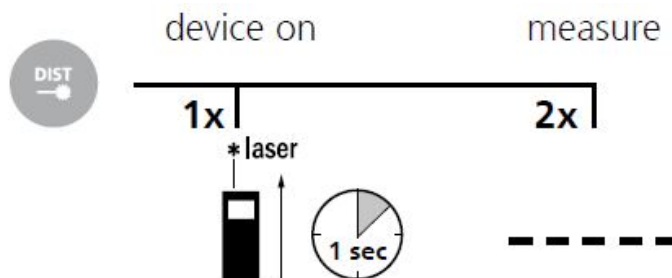
WARNING

To ensure correct measurements plug in pin so that it clicks into position!

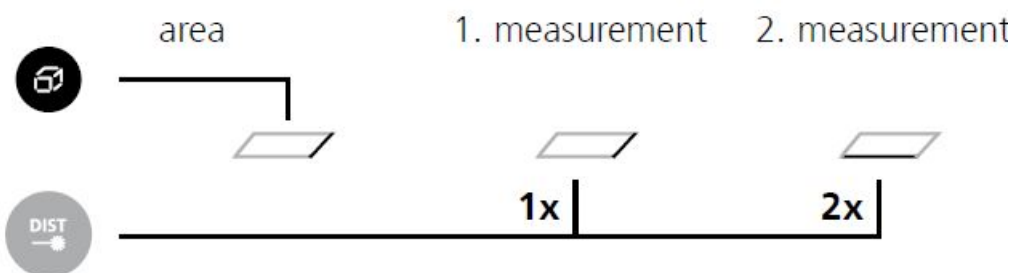
Change measurement function



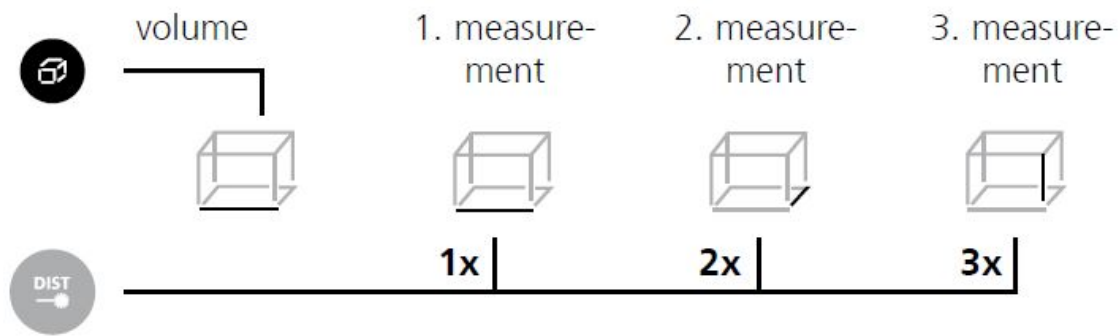
Length measurement



Area measurement



Volume measurement

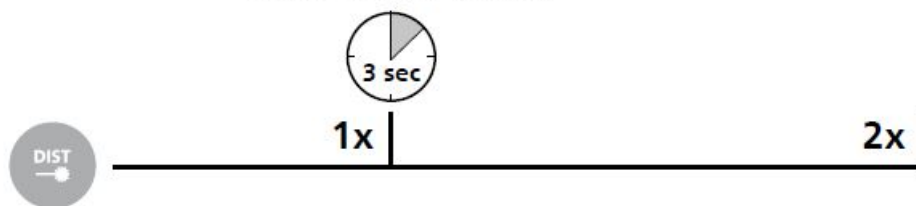


min/max continuous measurement

min/max continuous measurement:

Press for 3 seconds
then release button

stop



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

Important notices

- The laser points to the location that will be measured.
- 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

1. **Calculation error** Received signal too weak Received signal too strong Measuring time too long
2. **Ambient light** level too high
3. **Temperature** is too high: > 40°C Temperature is too low: < 0°C
4. **Hardware fault**

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-LASER LINER service department.

Technical Data

(Subject to technical changes without notice. 21W18)

Precision (typical)*	± 2 mm
Measurement range (inside) **	0.05 m – 30 m
Laser class	2 / < 1 mW (EN 60825-1:2014/AC:2017)
Laser wavelength	650 nm
Automatic switch-off	30 s laser / 3 min device


Power supply	2 x 1.5V LR03 (AAA)
Operating conditions	0°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
Dimensions (W x H x D)	37 x 118 x 26 mm (not including adapter)
Weight	84 g (incl. batteries)

1. measuring distance up to 10 m with strongly reflective target surface and at room temperature.
2. 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=ACD>

Documents / Resources

 <p>DistanceCheck</p> <p>Laserliner</p>	<p>Laserliner 080.810A Distance Check [pdf] Instruction Manual</p> <p>080.810A Distance Check, 080.810A, Distance Check</p>
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References

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