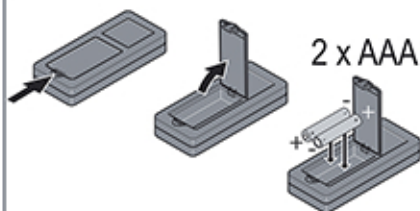


STABILA®



LD 250 BT






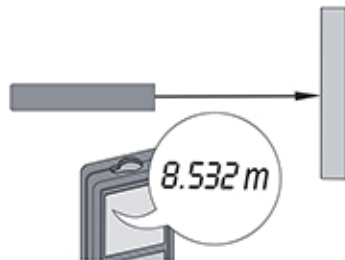
FUNC 2 sec = **UNIT**

0.000 m, 0'00"1/16, 0 in 1/16

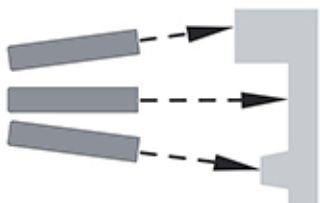
FUNC +  2 sec = **BEEP ON/OFF**





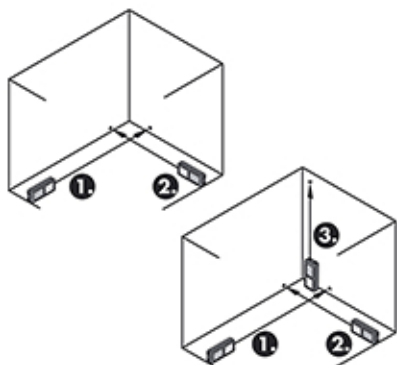
 2 sec = **OFF**



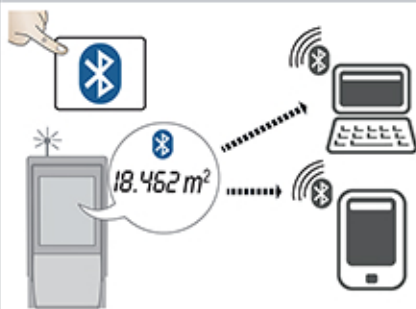
2 sec



FUNC 1 x 
2 x 



 2 sec = **BLUETOOTH[®] ON/OFF**



Product overview

- | | |
|-------------------------|----------------|
| 1) On/Measure | 3) Bluetooth® |
| 2) Area / Volume / Unit | 4) Clear / Off |

Instrument Set-up

Introduction



The safety instructions and the user manual should be read through carefully before the product is used for the first time.



The person responsible for the product must ensure that all users understand these directions and adhere to them.

Technical data

| | |
|--|--|
| Accuracy with favourable conditions * | $\pm 2.0 \text{ mm} / \pm 0.08 \text{ in}^{***}$ |
| Accuracy with unfavourable conditions ** | $\pm 3.0 \text{ mm} / \pm 0.12 \text{ in}^{***}$ |
| Range with favourable conditions * | 0.2-50 m / 0.6-164 ft |
| Range with unfavourable conditions ** | 0.2-40 m / 0.6-131 ft |
| Smallest unit displayed | 1 mm / 0.04 in |
| Laser class | 2 |
| Laser type | 635 nm, < 1 mW |
| Ø laser point at distances | 6 / 30 mm 10 / 50 m |

| | |
|------------------------------|--------------------------------------|
| Protection class | IP54 |
| Autom. laser switch off | after 90 s |
| Autom. power switch-off | after 180 s |
| Battery durability (2 x AAA) | up to 5000 measurements |
| Dimension (H x D x W) | 115 x 53 x 25 mm 4.5 x 2.1 x 1 in |
| Weight (with batteries) | 95 g / 3.4 oz |
| Temperature range: | |
| - Storage | -25 to 70 °C -13 to 158 °F |
| - Operation | 0 to 40 °C 32 to 104 °F |

* favourable conditions are: white and diffuse reflecting target (white painted wall), low background illumination and moderate temperatures.

** unfavourable conditions are: targets with lower or higher reflectivity or high background illumination or temperatures at the upper or lower end of the specified temperature range.

*** Tolerances apply from 0.2 m to 5 m with a confidence level of 95%.

With favourable conditions the tolerance may deteriorate by 0.1 mm/m for distances above 5 m.

With unfavourable conditions the tolerance may deteriorate by 0.15 mm/m for distances above 5 m.

Message Codes

If the message **Error** does not disappear after switching on the device repeatedly, contact the dealer.

If the message **InFo** appears with a number, press the Clear button and observe the following instructions:

| No. | Cause | Correction |
|-----|---|---|
| 204 | Calculation error | Perform measurement again. |
| 240 | Data transfer error | Repeat procedure. |
| 252 | Temperature too high | Let device cool down. |
| 253 | Temperature too low | Warm device up. |
| 254 | Battery voltage too low for measurements | Change batteries. |
| 255 | Received signal too weak, measuring time too long | Change target surface (e.g. white paper). |
| 256 | Received signal too high | Change target surface (e.g. white paper). |
| 257 | Too much background light | Shadow target area. |
| 258 | Measurement outside of measuring range | Correct range. |
| 260 | Laser beam interrupted | Repeat measurement. |

Laser classification

| | |
|--|---------|
| Wavelength | 635 nm |
| Maximum radiant output power used for classification | 0.95 mW |
| Pulse repetition frequency | 320 MHz |

| | |
|-----------------|----------------------|
| Pulse duration | >400ps |
| Beam divergence | 0.16 mrad x 0.6 mrad |

Warranty

Stabila provides a two-year warranty for the product. Further information can be found on the Internet at: www.stabila.de

Areas of responsibility

Responsibilities of the manufacturer of the original equipment:

STABILA Messgeräte
Gustav Ullrich GmbH
P.O. Box 13 40 / D-76851 Annweiler
Landauer Str. 45 / D-76855 Annweiler

USA/Canada:

STABILA Inc.
332 Industrial Drive
South Elgin, IL 60177
1.800.869.7460

The company above is responsible for supplying the product, including the User Manual in a completely safe condition. The company above is not responsible for third party accessories.

Responsibilities of the person in charge of the instrument:

- To understand the safety instructions on the product and the instructions in the User Manual.
- To be familiar with local safety regulations relating to acci-

dent prevention.

- Always prevent access to the product by unauthorised personnel.

Use of the product with Bluetooth®

⚠ WARNING

Electromagnetic radiation can cause disturbances in other equipment, in installations (e.g. medical ones such as pacemakers or hearing aids) and in aircraft. It can also affect humans and animals.

Precautions:

Although this product conforms to the most stringent standards and regulations, the possibility of harm to people and animals cannot totally excluded.

- Do not use the product near petrol stations, chemical plants, in areas with a potentially explosive atmosphere and where blasting takes place.
- Do not use the product near medical equipment.
- Do not use the product in airplanes.
- Do not use the product near your body for extended periods.