

STABILA®



...sets standards



**Measuring technology.
Newly defined.**

STABILA

Laser distance measurer LD 500:

- The device with the cutting edge – over very long distances.
- Digital target locator using integrated camera with crosshairs.
- 4 x zoom.
- Coloured, high-contrast display.
- Integrated measurement of incline.
- Diverse calculation possibilities.

**Sees. Measures. Calculates. Zooms.
Revolutionises your work quite incidentally.**

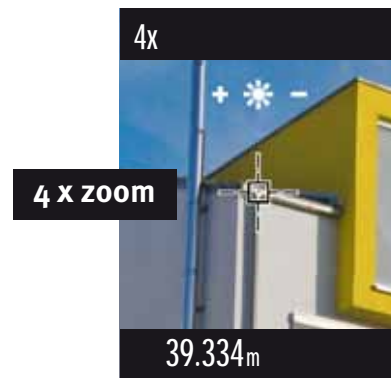
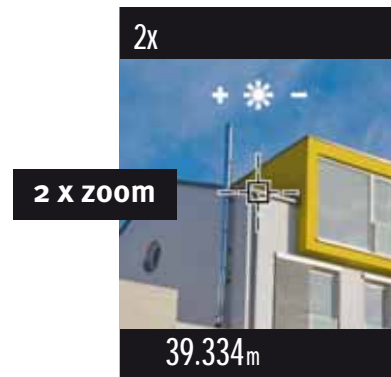
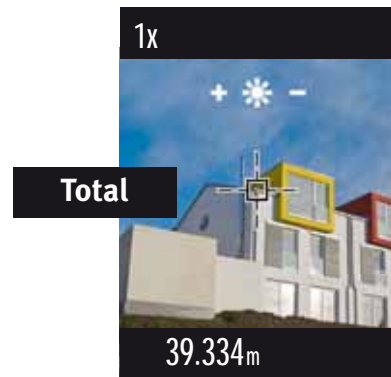
ACCURATE. TOUGH. RELIABLE. EASY-TO-USE.



For architects, head masons, construction site managers, civil engineers. For the far-sighted and those bearing responsibility.

Are you looking for precise measurements over long distances – both indoors and outdoors? Do you need extreme flexibility when measuring? Then the LD 500 is your quality partner:

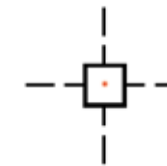
- Digital target locator with 4 x zoom for measurements up to 200 m.
- 2.4" colour display.
- High resolution – crystal clear image also in bright light.
- Measurements precise to the laser point – indoors and outdoors.
- Inclination sensor for up to $\pm 45^\circ$. With the sensor it is possible to measure absolutely level as well as taking measurements over obstacles horizontally in the distance.
- Integrated calculator: the measured readings can be multiplied or divided by the constants entered (e. g. hourly rates or cost per meter). Thereby you get exploitable calculation operands and can calculate informative offers on the spot.
- Complex measurement function package.
- Professional measurement precision: typically ± 1.0 mm.
- Protection class IP 54 (rain / dust).
- Robust, impact-resistant casing with shock-absorbent softgrip cover.



Original size L x W x H:
144 x 60 x 30 mm

NEW

Crosshair technology. A measurement principle which you can count on.



Display with crosshair

- You can cleanly align the LD 500 with the large, colour camera display.
- 4 x zoom.
- You capture your target point through the crosshair. The distance is precisely measured. You never have to search for the red laser point any more. Especially on long distances.
- You can adapt display brightness to surrounding light.
- The light sensor automatically regulates the display lighting, saving the battery life.





Better keep it under your hat how easy it is to operate the LD 500.

- Each important function occupies its own button. Nothing is quicker and more comfortable.
- You can call additional information for many of the functions (Pythagoras, area, volume, triangular area measurement etc.: e.g. size, wall and ceiling area,

- trapezoidal area, inclination angle, room angle, triangular area etc. This considerably simplifies your calculation of material requirement.
- Calculator for the processing of the measurement values.
- Constant memory.
- Past events memory of the last 20 values.

The LD 500 offers a number of additional information. Example from the volume calculation:

- Area
- Wall areas
- Floor or ceiling area resp.



Comprising: Laser distance measurer Type LD 500, plug-in target plate, belt pouch, 2 AA batteries, with wrist-strap.

Laser class	Output	Laser wavelength	Accuracy typical
2	< 1 mW	635 nm	± 1.0 mm

Range	Battery life	Batteries (included)	Art. No.
0.05–200 m	Up to 5,000 measurements	2 x AA	17416

Measure up to 200 m



Fold-out stop bracket: automatic reference switching.



Thread for fixing the instrument securely to a tripod. Optional accessory: Tripod Type FS (Art. No. 14925).



Pluggable target disk for measurement distance limitation.



Belt pouch for easy carrying.

Button legend: » short, « long press of the button, ◊ selection by scrolling

Total Call Menu » Confirm and calculate inputs. « Access the menu. ◊ With buttons 7 and 9: All basic settings and Long Range Mode, Measure- and Angle Units, Offset (Delta Constant), activation measurement point level in tripod operation.	On Distance and continuous measurement » Switch laser on. » Press button for distance measurement. « Activation of continuous measurement to determine minimum, or maximum distance resp. from a defined measuring point.	Multiplication Division » Activation of the multiplication function and automatic conversion of the keys to numeric input (digits 0 to 9). » Switch over to division.
Numeric character 7 Addition » Adds the next measurement to the previous. » Navigation button at menu level.	Numeric character 8 Zoom » Activation of the digital camera complete view function. » 2 x enlargement. » 4 x enlargement.	Numeric character 9 Subtraction » Subtracts the next measurement from the previous. » Navigation button at menu level.
Numeric character 4 Tracking » Two different distances (a and b) can be entered into the laser and then used for the stripping of defined measurement distances. E.g. mounting timber sub-structures. ◊ Enter the distances (a and b) with the navigation buttons 7 and 9. Confirm the entry with menu button.	Numeric character 5 Area / volume » Calculation of an area. » Calculation of a volume. ◊ Additional information based on the calculated measurement results such as area, wall surfaces or ceiling surface.	Numeric character 6 Pythagoras / area of triangle Indirect measurement of a distance acc. to Pythagoras (e.g. measurement of a house facade) in three variants and calculation of a triangle surface: » P1, » P2, » P3, » triangle surface. ◊ Additional information based on measurement results calculated, i.e. partial distances, room angles or triangle area.
Numeric character 1 Trapezoidal measurement Indirect measurement of a distance in two variants. E.g. to determine an inaccessible roof length: » T1, » T2. ◊ Additional information based on measuring results calculated, such as inclination angle and trapezoidal areas.	Numeric character 2 Inclination / Horizontal distance » Sensor measures inclinations between ± 45°. » Activation Horizontal distance measurement (Measurement over obstacles). ◊ Additional information based on the calculated measurement results such as, inclination angle, measured distance or indirect height.	Numeric character 3 Timer » Activation of the timer. The auto-timer can be used for every measuring function. The last five seconds are counted down by beeps. ◊ Setting lead time with the navigation buttons 7 and 9.
Clear Off » Clears the last action. In the case of area or volume function the individual measurements are deleted step by step and re-measured. ◊ Switch laser off.	Numeric character Memory » Past events memory: calls up the last 20 measured values in reverse order. ◊ With the buttons 7 and 9. » Constants memory: A value often needed (e.g. room height) can be called up repeatedly.	Decimal points Measuring level » Selection of the measuring level (front edge or rear measuring level). The folded out shifting squares automatically recognised by the device.



Laser distance measurer LD 300, LD 400, LD 500:



LD 300: measure up to 30 m.

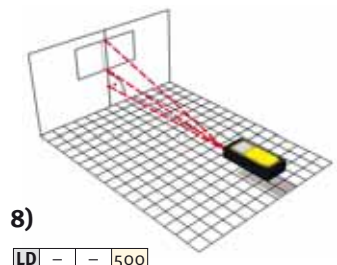
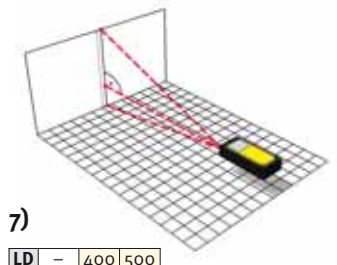
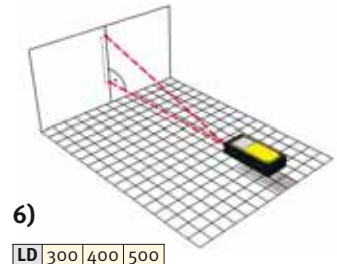
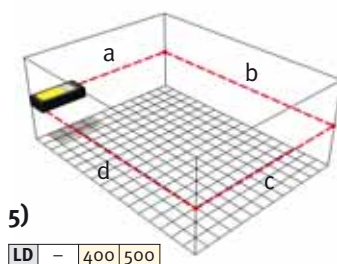
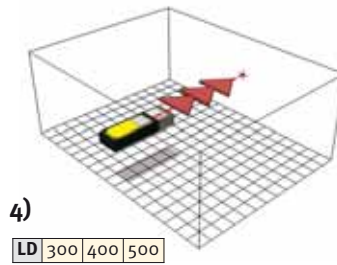
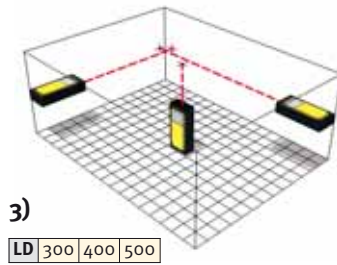
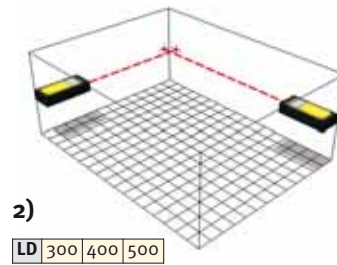
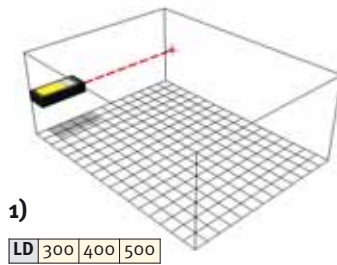


LD 400: measure up to 60 m.

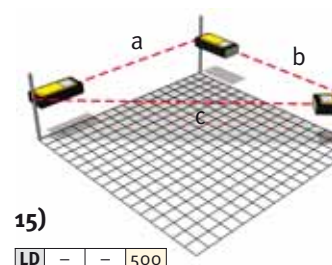
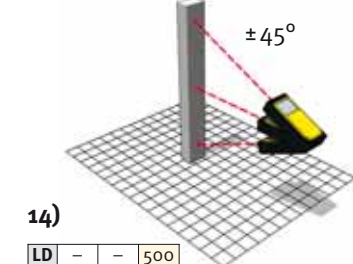
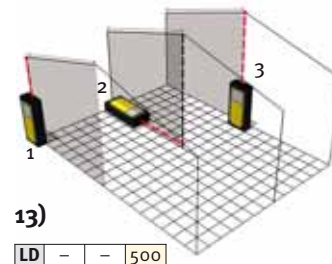
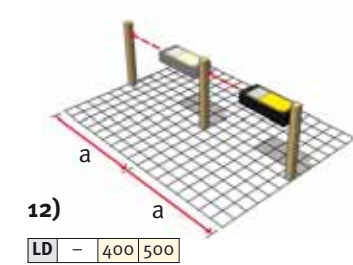
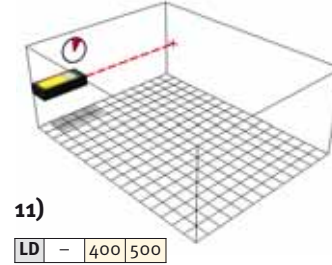
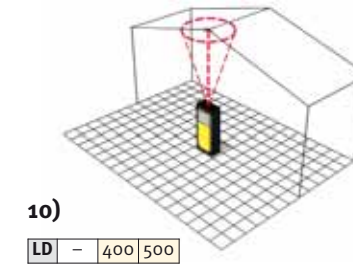
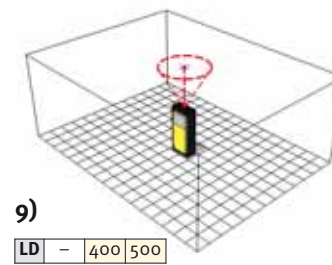


LD 500: measure up to 200 m.

- 1) Length measurement.
- 2) Area measurement.
- 3) Volume measurement.
- 4) Continuous measurement.
- 5) Determine chain measurement.
- 6) Pythagoras function 1: calculation of a distance using two related measurements.
- 7) Pythagoras function 2: calculation of a distance using three related measurements.
- 8) Pythagoras function 3: calculation of a part distance using three related measurements.



Comparison of the functions.



The eye is protected against momentary direct exposure to the laser beam of class 2 laser equipment by the reflex action of closing the lid and/or the reaction of turning away. These instruments may therefore be used without the use of further protective measures. Nevertheless, you should not look directly into the laser beam.

- 9) Minimum tracking is used to measure the shortest distance between two points (Minimum tracking).
- 10) Tracking, for instance to measure the maximum diagonal (Maximum tracking).
- 11) Auto-timer function: e.g. for blur-free measurement from a tripod.
- 12) Marking out distances.
- 13) Trapezoidal measurement: enables the measurement of inclines and distances not accessible directly.
- 14) Angle measurement: the angle sensor measures angles between $\pm 45^\circ$.
- 15) Triangular areas: calculates the surface area of a triangle using the lengths of the triangle's sides.



STABILA Laser distance measurer is identified by its measuring quality and the robust, impact-resistant casing with shock-absorbent soft grip cover.

Laser distance measurer Type LD 300

The ideal STABILA laser distance measurer for all who want to take a lot of measurements indoors:

- Illuminated display
- Large figures
- Accuracy of measurement typically ± 2 mm
- Easy to handle
- All the basic functions
- Protection class IP 40

Comprising: Laser distance measurer Type LD 300, belt pouch, 2 AAA batteries.

Laser class	Output	Laser wavelength	Accuracy typical	Range	Battery life	Batteries (included)	Art. No.
2	< 1 mW	635 nm	± 2 mm	0.1–30 m	Up to 3,000 measurements	2 x AAA	17264/0

Measure up to **30 m**



Laser distance measurer Type LD 400

Do you seem to measure non-stop? Do you need a longer range? Then the LD 400 laser distance measurer is for you:

- A comprehensive range of functions including marking out
- Memory (the last 10 values)
- Illuminated display
- Accuracy of measurement typically ± 1.5 mm
- The extra for the professional – the pull-out extension-piece
- Protection class IP 54 (rain/dust)

Comprising: Laser distance measurer Type LD 400, belt pouch, 2 AAA batteries, with wrist-strap.

Laser class	Output	Laser wavelength	Accuracy typical	Range	Battery life	Batteries (included)	Art. No.
2	< 1 mW	635 nm	± 1.5 mm	0.05–60 m	Up to 5,000 measurements	2 x AAA	17263/3

Measure up to **60 m**



Our technical hot line will support you in all questions relating to product selection and use: phone +49-6346-309-0. And you can also, of course, send an email to info@stabila.de.