

Leica DISTO™ - Competition

Conventional measurement technologies

Meter stick, Tape measuring

These measurement tools are still the biggest competition. Everybody knows them, uses them and they are very cheap.

Shortfalls

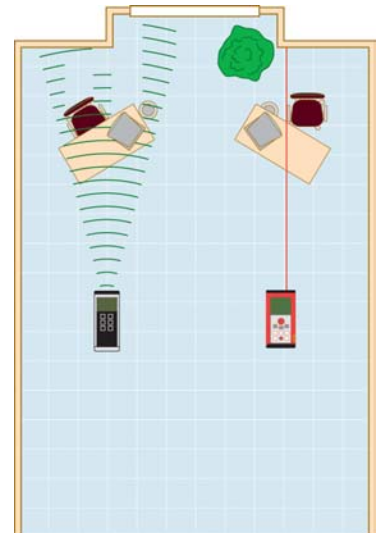
- For longer distances two people are necessary, it is cumbersome to measure long distances with a meter stick or a tape.
- The measurement process is time consuming
- Cumbersome height measurement
- Dangerous measuring situations cannot be avoided
- The accuracy heavily depends on the handling
- Read off errors are more likely to occur as measuring process is not digital
- The use of a laser distance meter looks much more professional than usage of meter sticks or tapes

Ultrasonic Measuring

Customers often cannot distinguish between ultrasonic and laser measurement devices, especially since producers of ultrasonic devices have included laser pointers as “targeting aid”. In general the devices are much cheaper than laser measurement devices.

Shortfalls of Ultra sonic measuring

- Ultra sonic devices measure very inaccurate: The accuracy is stated between $\pm 0.5\%$ and $\pm 1\%$. That means an error of 7.5 cm respectively 15 cm when measuring a distance of 15 m.
- Ultra sonic devices have a large measurement area because of the big target cone-shaped waves. You never know exactly which point you are targeting.
- Ultra sonic devices measure with sound waves, which spread out conic and present only an inaccurate result. Sonics are deviated by objects and columns.
- With an Ultra sonic is not possible to change the measurement reference.
- It is impossible to measure short distances, as the min. measurement range starts at 0.4 m!
- The max. measurement range is limited to 25 m
- It is obligatory to measure perpendicularly (90° angle) with ultrasonic devices, but it is not possible to measure into a corner.



Competition laser distance meters

Leica DISTO™ A3 vs Hilti PD 30



List prices

Leica DISTO™ A3
\$299 (excl. taxes)

Hilti PD30
\$349 (excl. taxes)

Main arguments for the Leica DISTO™ A3

- Ergonomic and attractive design (housing, keypad)
- Smaller and less heavier instrument
- Easy to use memory function
- Minimum-, maximum and continuous measurement
- Setting of units with direct key

Leica DISTO™ A5 vs Hilti PD 32



List prices

Leica DISTO™ A5
\$449 (excl. taxes)

Hilti PD32
\$499 (excl. taxes)

Main arguments for the Leica DISTO™ A5

- Outstanding, ergonomic design with soft grip
- Multifunctional and stable end piece, that really works
- Indirect partial height measurements possible
- Room data available (ceiling area, wall area and circumference)
- User friendly operation (direct keys for equal sign, memory function and menu)
- Timer function
- Viewfinder with 2 times magnification (Hilti has no magnification)
- Adjustable offset
- Integrated ruler on the housing

Leica DISTO™ A5 vs Bosch DLE 150



List prices

Leica DISTO™ A5
\$449 (excl. taxes)

Bosch DLE 150
\$379 N/A in US

Trimble HD150
\$429

Main arguments for the Leica DISTO™ A5

- Starts at a range from 0.05 m
- Smaller and less heavier device
- Outstanding, ergonomic design with soft grip
- Integrated viewfinder
- Integrated spirit-level
- 3 different ways to measure indirect distances (Pythagoras), Bosch offers only one basic Pythagorean function
- Room calculation function (ceiling area, wall area and circumference)
- Measuring from 3 references possible (front, tripod, rear), Bosch has only 1 (rear).
- Timer function up to 60 sec.
- Possibility to store 1 constant
- Integrated ruler on the housing
- Adjustable offset

Leica DISTO™ plus vs Bosch DLE 150 connect



List prices

Leica DISTO™ plus
\$699 (excl. taxes)

Bosch DLE 150 connect
N/A in US

Main arguments for the Leica DISTO™ plus

- High accuracy with ± 1.5 mm from 0.2 to 200 m
- Free software “Plus Draw” to create graphical sketches
- Convenient handling: Navigation keys allow to steer not only the “PlusXL” software directly from the Leica DISTO™
- Integrated optical viewfinder
- Integrated bubble level
- Smaller and lighter housing (19% lighter than Bosch)
- Measuring from 3 references possible (front, tripod, rear) instead of only 1 with Bosch (rear).
- Addition and subtraction from chain measurement, etc.
- Saves 10 constants
- 3 different ways to measure indirect distances (Pythagoras), Bosch offers only one basic Pythagorean function
- Timer up to 60 sec.