

# Leica DISTO™ & Leica Lino **UP TO ANY TASK**





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## **When it has to be right – outstanding measuring performance, built on decades of experience**

Leica Geosystems has been trusted by professionals worldwide for nearly 200 years. We are proud of our history and pioneering solutions to measure the world with Swiss technology. We represent precision, reliability, quality and sustainability – important values of our company.

We understand the challenges and needs of daily measurement tasks, from long-distance measurements in bright sunlight to point-to-point measurements of a clear span of a beam. Our innovative solutions are designed to support and simplify workflows across many different industries.

Our products are manufactured in state-of-the-art facilities around the world. Swiss technology is combined with exceptional craftsmanship to ensure highest precision and quality standards.

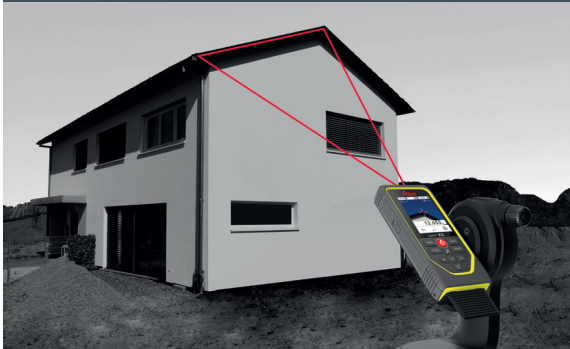


# Our Unique Technologies

## Innovations from Leica Geosystems

Continuous further development and new technologies mean that Leica DISTO™ devices provide comprehensive functionality. Equipped with a multitude of innovations, they are flexible and versatile across a wide range of applications. When in use, Leica DISTO™ excels through the highest accuracy and reliability.

### Point to Point Technology (P2P)



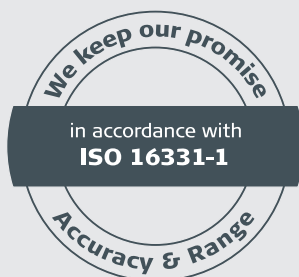
Using this innovative technology allows you to measure the distance between any two points from one position quickly and easily. New sensor types of the Leica DST 360 / DST 360-X adapter use angle information to make this possible.

### Pointfinder



The digital Pointfinder, with its 4× zoom and large colour display, makes targeting easier over long distances. The high-resolution screen ensures a crystal-clear image, allowing you to measure perfectly, even in bright sunlight.

### ISO: Certified Quality—Assured reliability



The range and accuracy of all Leica DISTO™ devices are checked in accordance with ISO 16331-1. As a result, you can be sure that the performance of the instrument is maintained not only in the test laboratory but even more importantly on everyday site tasks.

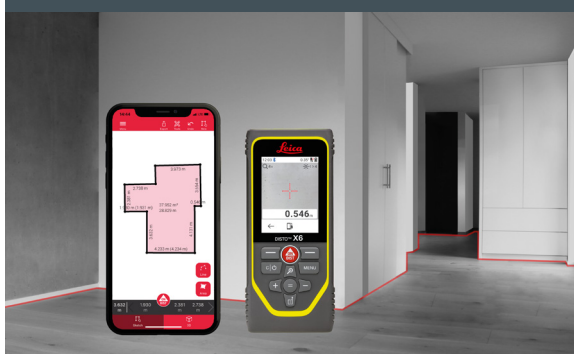


## Triggering measurements with gestures



In triggering the measurement without contact, by briefly interrupting the laser beam with the hand, Leica Geosystems solves a widespread problem, namely the laser distance meter being moved when triggering the measurement. Avoiding this is particularly important in order to obtain accurate results even for large distances or small targets.

## Smart Room



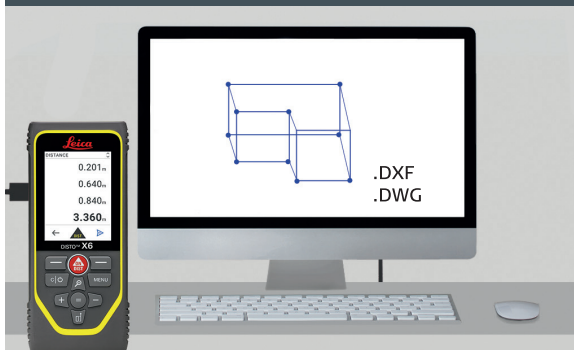
The Leica DISTO™ X6, D5 and X3 in combination with the DISTO™ Plan app increase efficiency. New technologies allow the devices to keep a record of distance measurements and the angle between any two of those measurements at the same time. The app then transforms that information into accurate floor plans on your tablet or smartphone.

## Site proof



All devices are protected against dust and splash water to a minimum of IP54 making them well equipped for everyday site tasks. The Leica DISTO™ X6 and X3 achieve an IP65 rating, making them perfect for rugged job site conditions.

## Leica DISTO™ compatible apps



Many other apps, like the AutoCAD® Mobile app, are available to make full use of your Leica DISTO™. This allows you to draw site plans in real time and share the data as dxf files with others.



# Leica DISTO™ Series at a Glance

## Which one is right for me?

|                                  |  |
|----------------------------------|--|
| <b>Applications</b>              |  |
| <b>General important aspects</b> | Digital Pointfinder for outdoor measuring                      |
|                                  | Max. Range   |
|                                  | Accuracy   |
|                                  | P2P functionality  |
|                                  | Extra durable housing with IP65 and 2 m drop tested            |
| <b>Computer interface</b>        | Wireless interfaces (low energy)                               |
|                                  | Data transfer to DISTO™ Plan and DISTO™ compatible apps        |
|                                  | Data transfer to any software or app                           |
|                                  | Download data via USB-C interface                              |
| <b>Distances</b>                 | Distance measurement from device                               |
|                                  | Dimensional measurements on objects                            |
|                                  | Indirect distance measurement over obstacles                   |
|                                  | P2P function – any distance between 2 points                   |
| <b>Areas</b>                     | Rectangular shapes (length and width)                          |
|                                  | P2P – Smart Area for complex shapes                            |
|                                  | Measure in picture – facades, vertical boards                  |
| <b>Volume</b>                    | Rectangular shapes (length, width, height)                     |
| <b>Widths</b>                    | Using Pythagoras Theorem                                       |
|                                  | Measure in picture – width measurement                         |
|                                  | P2P function   |
| <b>Heights</b>                   | Smart functions using distance and inclination for calculation |
|                                  | Height profile   |
|                                  | P2P function   |
| <b>Slopes</b>                    | Inclinations   |
|                                  | Smart functions using distance and inclination for calculation |
|                                  | P2P function   |
| <b>Diameter</b>                  | Measure in picture – diameter of objects                       |
| <b>Positioning</b>               | Continuous measuring – tracking                                |
|                                  | Stake-out  |
| <b>Planing and Documenting</b>   | P2P – dxf data capturing on device                             |
|                                  | Draw and measure (floor)plans                                  |
|                                  | P2P – point capturing for floor plans and facades              |
|                                  | Smart Room – measure and draw                                  |
|                                  | PDF, JPG and DXF exports                                       |
|                                  | Measure and document on picture                                |
|                                  | P2P – documenting positions based on a reference line          |
|                                  | Creating measurement reports (JPG and CSV)                     |
| <b>Usability</b>                 | Touchscreen  |
|                                  | Trigger measurement with gestures                              |
|                                  | Favorite keys  |
|                                  | Automatic end-piece  |
|                                  | Keyboard mode  |





| D1             | D110           | D2             | D5           | X3             | X6           |
|----------------|----------------|----------------|--------------|----------------|--------------|
|                |                |                | ●            |                | ●            |
| 40m            | 60m            | 100m           | 200m         | 150m           | 250m         |
| ± 2mm          | ± 1.5mm        | ± 1.5mm        | ± 1mm        | ± 1mm          | ± 1mm        |
|                |                |                |              | ●*             | ●*           |
|                |                |                |              | ●              | ●            |
| Bluetooth® 4.2 | Bluetooth® 4.2 | Bluetooth® 4.2 | Bluetooth® 5 | Bluetooth® 4.2 | Bluetooth® 5 |
| ●              | ●              | ●              | ●            | ●              | ●            |
|                |                |                | ●            | ●              | ●            |
|                |                |                |              |                | ●            |
| ●              | ●              | ●              | ●            | ●              | ●            |
| ●              | ●              | ●              | ●            | ●              | ●            |
|                |                |                | ●            | ●              | ●            |
|                |                |                |              | ●*             | ●*           |
|                | ●              | ●              | ●            | ●              | ●            |
|                |                |                |              | ●*             | ●*           |
|                |                | ●              | ●            | ●              | ●            |
|                |                | ●              | ●            | ●              | ●            |
|                |                |                |              | ●*             | ●*           |
|                |                |                | ●            | ●              | ●            |
|                |                |                | ●            | ●              | ●            |
|                |                |                |              | ●*             | ●*           |
|                |                |                | ●            | ●              | ●            |
|                |                |                | ●            | ●              | ●            |
|                |                |                |              | ●*             | ●*           |
| ●              | ●              | ●              | ●            | ●              | ●            |
|                |                | ●              | ●            | ●              | ●            |
| ●**            | ●**            | ●**            | ●**          | ●**            | ●**          |
|                |                |                |              | ●***           | ●***         |
|                |                |                | ●**          | ●**            | ●**          |
| ●**            | ●**            | ●**            | ●**          | ●**            | ●**          |
| ●**            | ●**            | ●**            | ●**          | ●**            | ●**          |
|                |                |                |              |                | ●*           |
|                |                |                |              |                | ●            |
|                |                |                | ●            |                | ●            |
|                |                | ●              | ●            | ●              | ●            |
|                |                |                | ●            | ●              | ●            |

\*) requires Leica DST 360 / DST 360-X    \*\*) requires DISTO™ Plan    \*\*\*) requires Leica DST 360 / DST 360-X und DISTO™ Plan



# Leica DISTO™ D Series

## Precision Made to Measure

The devices in the Leica DISTO™ D series are characterised by perfectly balanced functionality. At the same time, they are easy to operate and provide precise measurement results quickly and reliably at the touch of a button, even for areas that cannot be reached with conventional measuring methods, such as tape measure or folding rule.



# Leica DISTO™ D Series

## Indoor Measurements



### DISTO™ D1

Professional laser measuring for all

#### Fast and reliable

Measure distances in seconds, without help from another person, by just pressing a button. Avoid the risk of work accidents during cumbersome and dangerous measuring processes, e.g. when measuring heights.

#### Precision at the touch of a button

Thanks to its precise laser technology, the starter model Leica DISTO™ D1 always produces reliable measurement results. Operating the unit is very easy and intuitive. Trust the original laser distance meter.

#### The app for more functionality

The Leica DISTO™ D1 can be quickly and easily connected with the Leica DISTO™ Plan app. Documenting and sending measurements is now very simple.



### DISTO™ D110

Small size — great possibilities

#### Small and handy

Thanks to its ergonomic design, the Leica DISTO™ 110 handles perfectly and is a joy to use. The self-explanatory keys ensure operation is quick and intuitive.

#### Bluetooth® Smart

The latest Leica DISTO™ Plan app is the ideal link between the Leica DISTO™ D110 and a smartphone or tablet. It allows you to create accurate layouts and drawings.

#### Always at hand

The detachable pocket clip is a clever accessory for carrying the Leica DISTO™ D110 on your clothing. Use it to attach the unit to your trousers, shirt or jacket so that you have it always at hand.



### DISTO™ D2

Compact device — long range

#### Long distances

With the help of the innovative X-Range Power technology this small device can measure long distances of up to 100 m. In addition, this technology ensures optimum measuring performance, i.e. fast and reliable measurements.

#### Multifunctional end-piece

Whether measuring out of corners, slots or from edges, with this end-piece you are prepared for all measuring situations. The instrument detects the end-piece automatically, which helps to avoid expensive measuring errors.

#### Useful functions

The device can recall your last 10 measurements. Other handy features, including addition, subtraction, area and volume calculations are easy to use.

#### Error-free data transfer

With the help of the integrated Bluetooth® Smart technology you can transfer your measurements directly to your smartphone or tablet and avoid expensive typing errors. You can further streamline your work process by using the smart app Leica DISTO™ Plan.

# Leica DISTO™ D5

## Strong Outdoors



The Leica DISTO™ D5 is particularly suitable for distance measurements in outdoor areas. Thanks to the digital Pointfinder, the high functionality and the compatibility with the Leica DISTO™ Plan app, every measuring situation is solved quickly and efficiently. The results can be easily documented to support a target-oriented and error-free digital workflow.

### **The target always in sight**

Even when the laser dot is no longer visible, the target appears clearly on the crystal-clear display with IPS technology thanks to the high-quality digital Pointfinder. This ensures accurate aiming and thus precise results, even in very bright environments and over long distances.

### **Uncompromising precision**

The non-contact triggering of the measurement with gestures avoids moving the device and thus guarantees highly precise measurements, especially on small targets or at long distances. In addition, measure-

ment accuracy can be increased by using the Leica FTA 360 tripod adapter, as the fine drives enable very precise aiming.

### **The perfect solution for every task**

Various measurement functions, such as Smart Horizontal Mode for measuring over obstacles, height tracking, profile or angle measurements ensure that every measurement task can be solved.

### **Flexible data transfer**

In keyboard mode you can connect the Leica DISTO™ D5 to a computer and send measured values in the form of a keyboard entry to the cursor position in any application or a predefined template.

### **Advanced functionality**

Various functions in combination with the Leica DISTO™ Plan app, such as Smart Room, as well as the import of PDF files into the app, simplify the digital documentation of results.



# Leica DISTO™ X Series

## Robust and Powerful

The Leica DISTO™ X series combines innovative measuring technology with an extremely robust and site-proof design. The sensitive measuring elements are protected by solid rubber components. This makes the Leica DISTO™ X series particularly robust. Drop tests from a height of up to 2 m are proof of this. In addition, the housing and keypad are specially sealed against water and dust. Cleaning under running water is therefore no problem. This concept guarantees reliable measurements even under the toughest construction site conditions.





# Leica DISTO™ X3

## Designed for Tough, Rugged Conditions



The Leica DISTO™ X3 is optimally designed for the special requirements of indoor distance measurements and ensures maximum efficiency.

### Smart Horizontal Mode

Thanks to the combination of distance and tilt measurement, you can determine the horizontal distance easily and with absolute precision, even over obstacles.

### Smart Room

With the DISTO™ Plan app, you can use the measurement data from the Leica DISTO™ X3 to automatically create realistic and scaled room plans.



### Screen rotation

As the unit rotates, the screen display automatically rotates with it and is easy to read from any angle.

### Expandable for P2P measurements

In combination with the Leica DST 360 adapter, the DISTO™ X3 can be used to quickly and reliably measure distances between any two points from one position.

# Leica DISTO™ X6

## Robust and Versatile



The Leica DISTO™ X6 with its extremely robust housing, IP65 protection class and scratch-resistant display glass is particularly suitable for rough construction site use. The perfect combination of digital Pointfinder, ergonomic operation with touchscreen and additional measuring button on the side, as well as high functionality, guarantees that every measuring task can be completed quickly and efficiently. The results can then be sent and further processed in the DISTO™ Plan app.

### Simply touch it!

The large touchscreen enables fast and intuitive operation. The measurement functions are clearly arranged and easily and quickly accessible via the touchscreen using familiar gestures such as swiping or zooming with two fingers.

### Digital Pointfinder

The digital Pointfinder makes the Leica DISTO™ X6 an ideal distance meter for bright sunlight or long distances.





### Clear measurement protocols

All measurement results can be summarised in measurement reports on the Leica DISTO™ X6 and downloaded in the office via the USB interface. This makes it easy to include them in quotations and invoices. The data can also be imported into Excel for further processing.

### Large memory capacity

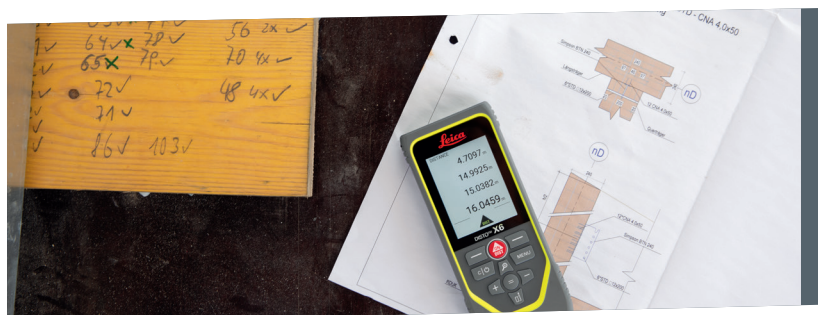
The extra-large memory allows to save multiple measurement protocols on the Leica DISTO™ X6, simplifying documentation.

### Ready for 3D measurements

The Leica DISTO™ X6 can be converted into a solid measuring station with the Leica DST 360-X adapter, which is used to collect 2D and 3D data that can be further processed in the DISTO™ Plan app or CAD software.

### Environmental friendliness

Li-ion batteries provide an environmentally friendly and long-lasting power supply. The unit can even be used while charging.



# Leica DISTO™ X6-P2P Package

## Increased Efficiency Thanks to P2P Technology



The Leica DST 360-X adapter is the ideal complement to the Leica DISTO™ X6. With this solid measuring station you can measure distances between any two points. And in combination with the Leica DISTO™ Plan app you can draw as-built plans for further processing in a CAD tool.

### Smart interior

Sensors specially developed by Leica Geosystems provide rotation angles in combination with distance measurement, enabling P2P Technology.

### Metal construction

The adapter is made entirely of metal. This ensures maximum robustness and consistent precision.

### Precise targeting

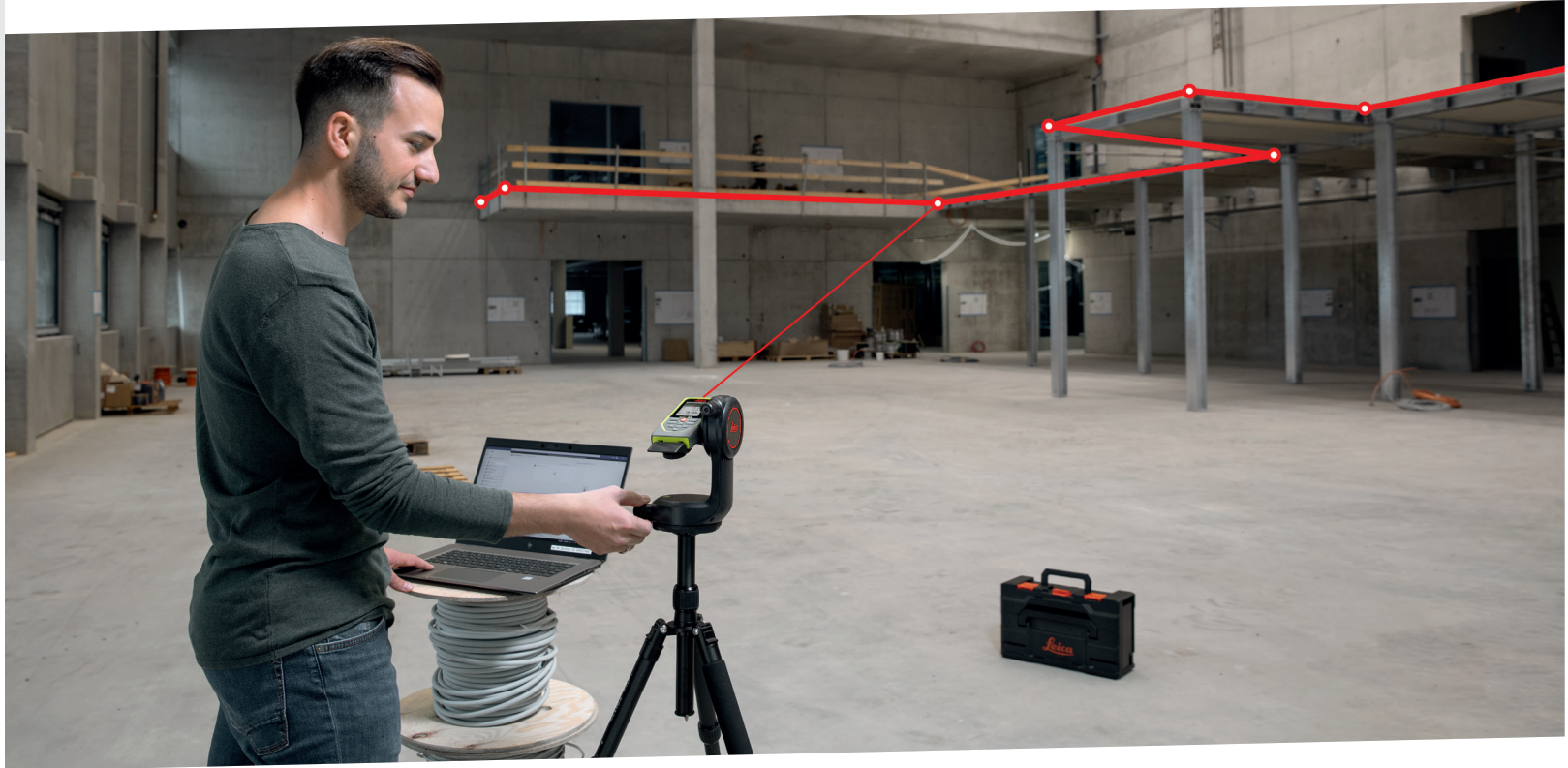
With the fine adjustment handles, measuring points can be precisely targeted in seconds.





# Leica P2P Technology

## Efficient Measurement for Digital Workflows



P2P Technology is a safe, accurate and efficient measurement method when it comes to distance measurements in inaccessible areas or complex measurement situations. It also enables a completely digital workflow, as the captured measurement results can be further processed in any CAD software.

### Measuring inaccessible areas

Depending on the required result, different measurement functions are available. If it's only the distance between two points being determined, the simple P2P measurement is sufficient. The levelled P2P measurement additionally indicates the height difference, the horizontal distance and the inclination between the two measuring points. Even complex area and angle measurements are possible with P2P Technology. P2L measurement can also be used to determine a position relative to a reference line.

### Advanced functionality and visualisation

With the Leica DISTO™ Plan app, measurement results can be easily documented and visualised. For example, it is possible to create detailed floor and wall plans – including openings for doors and windows. Volume measurements are also possible, such as calculating the volume of an excavation with the "Earthworks" function.

### Perfectly prepared for CAD applications

Measurement data acquired with P2P Technology can be stored in DXF format on the Leica DISTO™ X6 and downloaded via the USB interface for further processing in CAD applications. The data is available as a floor plan or wall layout (2D DXF files) or as a 3D model (3D DXF files). The measurement data can also be transferred directly on site to a mobile computer for further processing in any CAD software.

# Leica DISTO™ Plan App

## Document Measurements Digitally



The Leica DISTO™ Plan app assists you with the vital task of documenting and visualising your measurements. This way you can easily plan the next steps of your project.

### **Sketch on Photo – dimension objects in pictures**

Leica DISTO™ Bluetooth® Smart technology allows you to assign distance measurements to the appropriate part of a picture taken with your tablet or smartphone. This way you can document all your measurement results and easily process them later in the office.

### **Sketch Plan – create a scale drawing**

Simply use your fingers to create a sketch on your smartphone or tablet. Then take corresponding measurements and assign them to the relevant lines

of your sketch. The app's 'auto-scale' function automatically adjusts the lines' length and the result is a scaled drawing, showing surface area and circumference. It is that easy to produce a CAD ready floorplan.

### **Smart Room – plan while you are measuring**

A newly integrated sensor in the Leica DISTO™ X3, D5 and X6 makes it possible to create accurate floor plans simply by taking clockwise or counter-clockwise measurements of a room. Once all measurements are taken, the app automatically generates the plan. Keeping records of each measurement and the angle between any two of those measurements at the same time makes it possible.



# Capture 2D and 3D data for CAD

Leica DISTO™ devices with P2P function and the DISTO™ Plan app allow detailed recording of rooms using 3D coordinates. This means that the data can be easily processed in any CAD software.

## Measure Plan / Facade – create as-built plans

The Leica DISTO™ Plan app supports P2P Technology, which makes it possible to create detailed floor and wall plans – including openings for doors and windows. These plans can be easily exported to a DXF or DWG file format.



## Measure 3D – see immediately what has been measured

With this function, you can visualise complex 3D measurements directly on site and immediately see if any measuring points are still missing. Afterwards, the DXF or DWG file can be exported for your CAD software or a PDF file.

## P2P Measurement – Capture volume

The P2P Technology in combination with the DISTO™ Plan app also enables volume measurements, such as calculating an excavation with the "Earthworks" function.

## Relocation – simply change the location

If during a Measure Plan – or Measure 3D – measurement not all points to be measured can be reached from one location, you can easily relocate the Leica DISTO™ X3 and X6 on the DST 360 / DST 360-X by measuring at least 3 previous points again from the next location. This defines the new location and you can continue your measurements.

# Leica DISTO™ transfer

The software Leica DISTO™ transfer makes it possible to transfer measurement data directly into AutoCAD® or BricsCAD® on site. This way you can start working within your CAD software straight away and continue to build upon documenting measurement data.



[www.disto.com/apps](http://www.disto.com/apps)

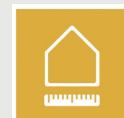


# Apps made for Leica DISTO™

Leica DISTO™ devices are supported by numerous apps which can be downloaded from the App Store or Google Play. Explore the different apps and discover the great opportunities your DISTO™ provides.



**AutoCAD**  
by Autodesk



**Orthograph**  
by Orthograph



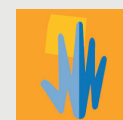
**Magicplan**  
by Sensopia



**Measure Mobile**  
by RFMS



**Xactimate**  
by Xactware Solutions



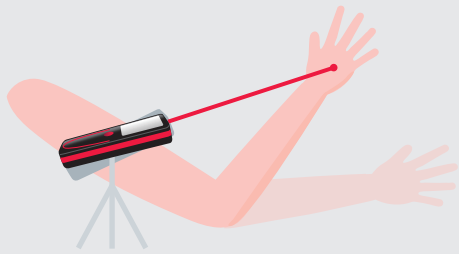
**WinWorker Raumaufmaß**  
by Sander + Partner

# Any Measurements are Possible

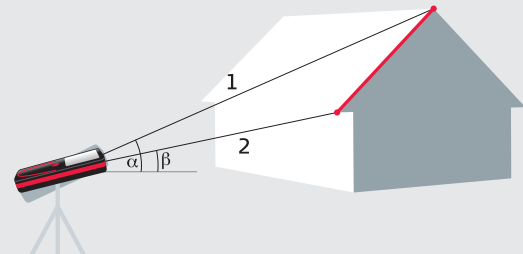
## The Optimal Function for Every Situation



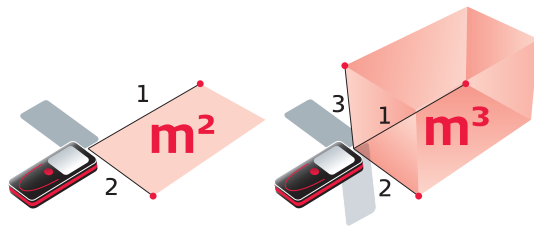
Triggering measurements with gestures



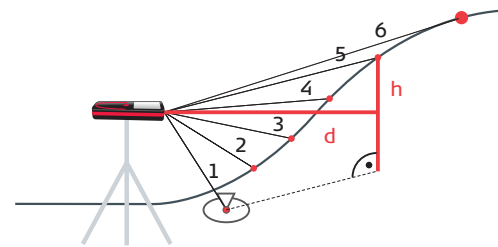
Sloped object measurement



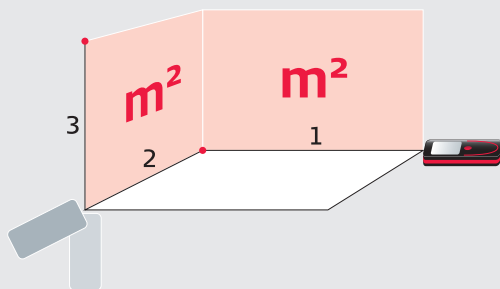
Area and volume measurements



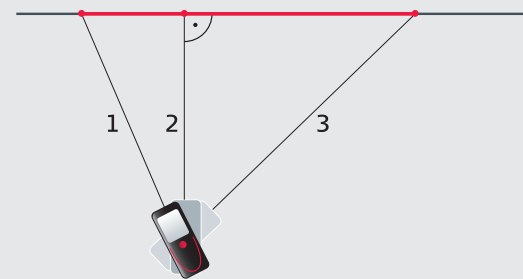
Height profile measurements



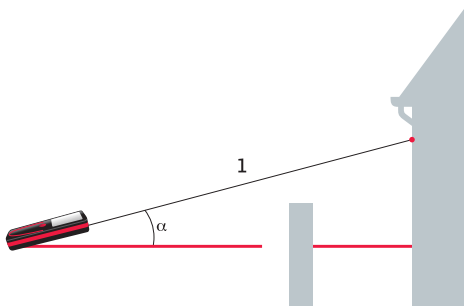
Painter function



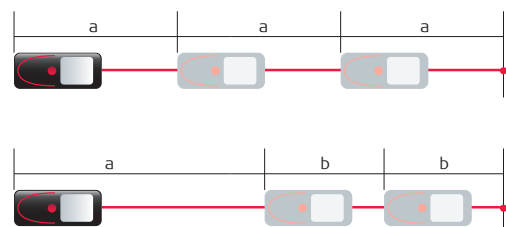
Pythagoras functions



Smart Horizontal Mode



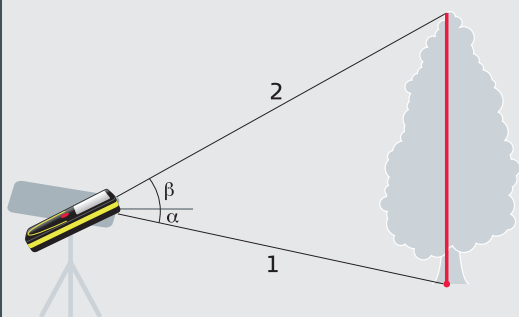
Stake-out function



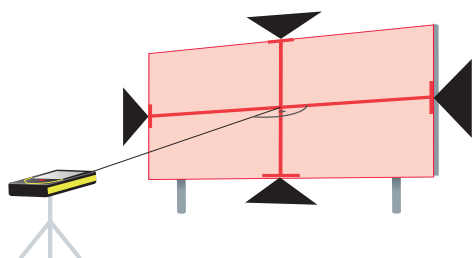




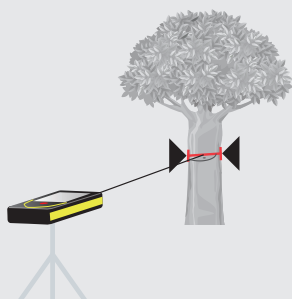
### Height tracking



### Measuring widths, heights and areas



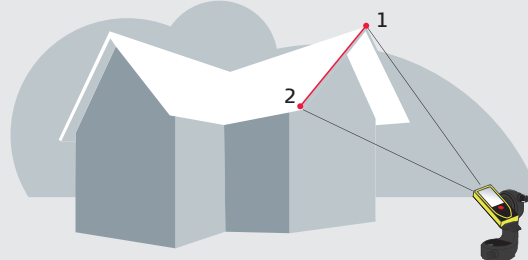
### Diameter measurement



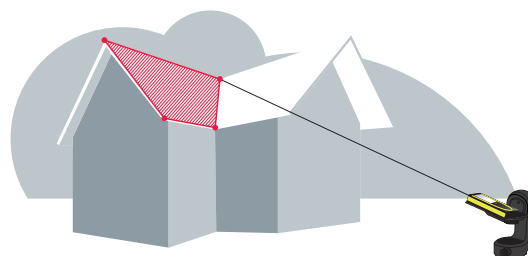
### Keyboard mode



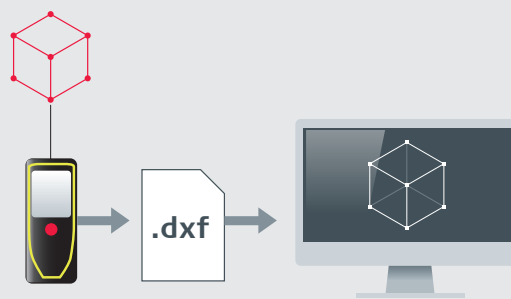
### Point to Point Measurement



### Smart Area Measurement



### Data capture in dxf files



### Point data transfer



# Leica Lino Series

Outstanding performance and versatile adapters designed for building applications

All our Leica Lino products are designed for professionals with the same aim in mind as all our Leica Geosystems products: Making your work easier, and improving your results, by providing excellent quality, performance and well conceived accessories. Because top-quality products are for top-quality work.





# Our Unique Technologies

## Innovations from Leica Geosystems

### Outstanding visibility



All Leica Lino products incorporate decades of knowledge and experience in the fields of optics and electronics. The results are outstanding visibility and high accuracy of our red and green lasers.

### Li-Ion



The Leica Lino has a Li-Ion battery which ensures continuous working. A single charge provides a 24-hour battery life.

### Magnetic adapters



The Leica Lino products can easily be connected to precision engineered adapters via strong magnets, allowing you to work faster and more precisely.

### Ruggedness



Leica Lino products are well crafted with high quality materials, therefore perfectly suited for construction sites. Each product is fully tested to meet Leica Geosystems quality standards.

# The Leica Lino series at a glance

## Which laser is right for me?



| Applications              |  | P5         | L2         | L2G        | L2P5       | L2P5G      |
|---------------------------|--|------------|------------|------------|------------|------------|
| General important aspects | Green laser for better point and line visibility |            |            | ●          |            | ●          |
|                           | Recommended maximum working range                | 30 m       | 25 m       | 35 m       | 25 m       | 35 m       |
|                           | Levelling accuracy                               | ± 0.2 mm/m | ± 0.2 mm/m | ± 0.2 mm/m | ± 0.2 mm/m | ± 0.2 mm/m |
| Horizontal                | Alignment  | (●)        | ●          | ●          | ●          | ●          |
|                           | Transferring heights                             | (●)        | ●          | ●          | ●          | ●          |
|                           | Fine adjustment for e.g. suspended ceilings      |            | ●*         | ●*         | ●*         | ●*         |
| Vertical                  | Alignment  | (●)        | ●          | ●          | ●          | ●          |
|                           | Fine adjustment manual                           |            |            |            |            |            |
| Plumbing                  | Transferring points from floor to ceiling        | ●          |            |            | ●          | ●          |
| Slopes                    | Lock laser for slope alignment                   |            | ●          | ●          | ●          | ●          |
| Stake-out                 | Rectangular angles                               | ●          |            |            | ●          | ●          |
| Usability                 | Extra long operation with Li-Ion power           | ●**        | ●**        | ●**        | ●          | ●          |
|                           | Operation during charging                        | ●**        | ●**        | ●**        | ●          | ●          |
|                           | Alternative usage with Alkaline batteries        | ●          | ●          | ●          | ●          | ●          |
|                           | Easiest setup to adapter with magnets            | ●          | ●          | ●          | ●          | ●          |
|                           | Range extension with receiver                    |            | ●          | ●          | ●          | ●          |

\* ) UAL 130 accessory required

\*\* ) Li-Ion accessory required



# Leica Lino L4P1

## Powerful & Versatile for all Interior Applications



| L4P1       | L6R        | L6G        |
|------------|------------|------------|
|            |            | ●          |
| 15 m       | 25 m       | 35 m       |
| ± 0.2 mm/m | ± 0.2 mm/m | ± 0.2 mm/m |
| ●          | ●          | ●          |
| ●          | ●          | ●          |
|            | ●*         | ●*         |
| ●          | ●          | ●          |
| ●          | ●          | ●          |
| (●)        | (●)        | (●)        |
| ●          | ●          | ●          |
| ●          | ●          | ●          |
| ●          | ●**        | ●          |
| ●          | ●**        | ●          |
| ●          | ●          | ●          |
|            | ●          | ●          |
| ●          | ●          | ●          |

The Leica Lino L4P1 is the most versatile across its range. It covers many different applications with its multi-line projection. It turns 360° on its base plate which makes the marking of 90° anywhere in a room an easy and simple task.

### Li-Ion: 24h battery life on a single charge

Innovative Li-Ion power: The long life Li-Ion batteries allow you to work uninterrupted for 24 hours. The batteries are rechargeable and more cost efficient than standard Alkaline batteries.

### Smart Power: Li-Ion exchangeable with Alkaline

"Always ready to work" – In case you forgot to charge the Li-Ion batteries you can easily replace them with standard Alkaline batteries.

### 360° rotation base for high-speed layouts

The Lino L4P1 can produce high-speed layouts of whole rooms. It rotates 360° over a selected point and its fine adjustment option allows for quick vertical laser line targeting.



# Leica Lino Line and Point Lasers

## Excel on Every Point Across the Whole Range

### Li-Ion

Innovative Li-Ion power lasts for hours. There is no interruption to your work for battery charging or to constantly exchange Alkaline batteries.

### Triple power concept

Run your laser with Li-Ion, Alkaline or connect it to the power supply. Continue working with the smart triple power concept.

### Magnetic adapters

Smart adapters allow you to position the instrument quickly and with absolute precision. Set up the rotatable adapters over edges and profiles, attach it to iron pipes or to various tracks and bars.

### Self-leveling

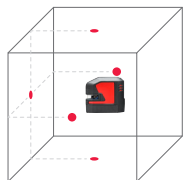
The Leica Lino automatically adjusts its positioning if it is slightly out of level (up to  $\pm 4^\circ$ ). If the tilt is outside the  $\pm 4^\circ$  limit, the instrument activates a visual alert to prevent errors. This means its setup to project lines or dots is quick and effortless.

### Large glass lens

The optimum emergence angle ensures outstanding visibility and extension of the laser lines and allows for perfect leveling and alignment at long distances.

### Rugged design

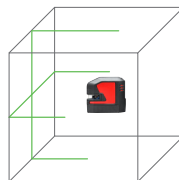
All Leica Linos are dust and spray water protected. This makes them tough instruments suitable for today's jobsite conditions.



### Lino P5

#### Right to the point!

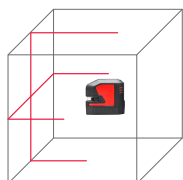
Forget about plumb bobs, string lines and spirit levels! The Leica Lino P5 point laser is practical and simple to operate. Just one button is needed for all its applications. It quickly and accurately projects all the points you need which makes it an efficient solution for professional plumbing and alignment tasks.



### Lino L2G

#### Visibility on a new level

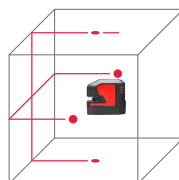
The Leica Lino L2G cross line laser projects highly visible lines at the correct angles to one another. Its new laser uses the latest green laser technology which makes lines even more visible and clear. As a result, this laser will make it easier for you to see your reference lines, even in extreme lighting conditions or over long distances.



### Lino L2

#### You can rely on its sharp lines

Time-consuming and tedious drawing of lines on walls is a thing of the past. The Leica Lino L2 projects them exactly, quickly and easily while you concentrate on the job in hand. The increased laser power enhances line visibility and improves the efficiency of interior work.



### Lino L2P5

#### Combining points and lines

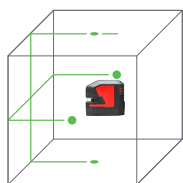
The Leica Lino L2P5 combines all advantages of the Leica Lino point and line lasers. The laser's cross lines support your alignment tasks and its five laser points allow you to plumb, set out or transfer measured points. The proven Leica optics enable the device to project very long and bright lines which extends the working range significantly.



### Green visibility

Green Lino laser lines are four times more visible to the human eye in comparison to red ones. This makes green lasers more suitable for longer distances and increases visibility in bright environments.

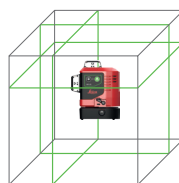
## Best visibility Green Laser



### Lino L2P5G

#### Multi-functional

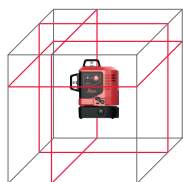
The cross lines of the Leica Lino L2P5G support alignment tasks and its five laser points allow you to plumb, set out, or transfer measured points. The green lasers increase laser visibility in bright environments and large rooms. The use of Li-Ion battery technology further optimises the instruments usability.



### Lino L6G

#### Highly Visible Laser Lines

The Leica Lino L6G is equipped with green Ultra-power laser diodes. Its thin, crisp and clearly visible green laser lines are ideal for bright and large work environments. The laser's vertical lines are easily adjusted once the plumb point (cross-section of two vertical lines), which is located outside the device, is set.



### Lino L6R

#### 3x360° Precision Alignment

The red Ultra-power laser diodes of the Leica Lino L6R ensure high visibility of all three 360° laser lines. The laser's vertical lines are easily adjusted ( $\pm 10^\circ$ ) once the plumb point is set. Li-Ion power makes an operation time of up-to 36 h possible while the smart Triple-Power concept guarantees uninterrupted working.

# Leica DISTO™ and Lino

## Original accessories

### Tripods >

Leica TRI 75 ●●



The small portable tripod is intended for everyday use. Its features include easy fine adjustment and a bubble level. Extendable length from 0.42 m to 1.15 m. Art. No. 975 718

Leica TRI 105 ●●



Quality tripod with bubble level, very easy fine adjustment. Extendable length from 0.67 m to 1.80 m. Art. No. 975 728

Leica TRI 120 ●



Twist locks for the legs are making this tripod even more stable. The 180° foldable legs are making it ultimately compact. Extendable length up to 1.16 m. Ideal for any tripod adapter for all Leica DISTO™ models. Art. No. 848 788

Leica TRI 200 ●



Very rugged but lightweight aluminium tripod with 1/4" fixing screw, bubble level and clamp for easy mounting. Can be extended from 0.75 m to 1.15 m. Ideal with Leica FTA 360 or FTA 360-S. Art. No. 828 426

Leica CLR 290 clamp rod ●



With universal mounting platform for line and rotating lasers. Extendable length up to 2.90 m. The clamp rod can be fixed between the floor and ceiling. This allows the laser to be positioned at any desired height. Art. No. 761 762

### Case systems >

metaBOX ●



Extremely robust case for storing, protecting and transporting the DISTO™ X6, DST 360-X adapter and TRI 120 tripod. Art. No. 962 211 metaBOX 165L Art. No. 962 165 inlay Art. No. 979 673 mounting plate for metaBOX Art. No. 979 672 adapter plate for other systems

### Adapters for DISTO™ >

Leica DST 360 ●



The smart adapter turns the Leica DISTO™ X3 or X6 into a DISTO™ station. It enables P2P measurements with the device or even becomes a real planning tool together with the Leica DISTO™ Plan app. Art. No. 864 982 adapter DST 360 for DISTO™ X3

Art. No. 946 095 adapter DST 360-X for DISTO™ X6

Leica DST 360-X ●



Leica FTA 360 ●



Sturdy adapter with fine drive for convenient and precise targeting. The adapter eases the task of targeting, above all over long distances, and results in minimum discrepancies when taking indirect measurements. For use in combination with Leica TRI 70, TRI 100, TRI 120 and TRI 200 tripods. Art. No. 799 301 for Leica DISTO™ D5

### Adapters for Lino >

Leica UAL 130 ●



The universal adapter for Lino allows to attach and adjust the height of a Leica Lino by 130 mm easily and precisely. Can be used for the new Leica Lino P5, L2, L2G, L2P5, L2P5G, L6R and L6G. Art. No. 866 131

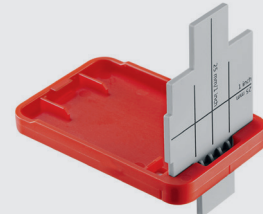
### Target plates >

Leica TPD 100 Kit ●



The target plate for improved targeting with digital Pointfinder on long distances. The kit with pole and bubble enables measurement on landmarks and performance of basic surveying tasks with a Leica DISTO™. Art. No. 601 2352

Leica GZM 3 ●



This target plate is the perfect accessory for measuring templates, worktops etc. – wherever shapes have to be captured. Edges, curves, markings and corners can be measured in any position. Art. No. 820 943



DISTO™ ●

Lino ●

#### Leica GZM 27 ●



Stick-on target plates for fixing on to edges and corners. Size: 147 × 98 mm.  
Art. No. 723 774

#### Leica GZM 26 ●



For measurements on poorly reflective surfaces. Two-sided – grey side for shorter distances and brown for longer. Size: 210 × 297 mm.  
Art. No. 723 385

#### Leica GZM 30 ●



Stick-on target plates for placing on ground-marks. Size: 274 × 197 mm.  
Art. No. 766 560

#### Leica target plate ●



For visualisation of red or green laser lines in open space. With scale, magnet and foldable stand for easy positioning. Size: 150 × 74 mm.  
Art. No. 758 831 (for red lasers)  
Art. No. 823 195 (for green lasers)

#### Receiver >

#### Leica RGR 200 ●



One laser receiver for all! Robust IP65 housing with front and back side display, incl. magnets for ceiling attachment. Locating red and green laser beams at distances up to 80 m. For Leica Lino L2, L2G, L2P5, L2P5G, L4P1, L6R and L6G.  
Art. No. 866 090

#### Leica RVL 80 ●



Locating red laser lines at a distance up to 80 m. For Leica Lino L2, L2P5, L4P1 and L6R.  
Art. No. 838 757

#### Protector >

#### Leica drop protector ●



Protector to secure the Leica Lino from falling down. For Leica Lino L6R, L6G and L4P1.  
Art. No. 921 250

#### Glasses >

#### Leica GLB 30 Laser glasses 3 in 1 ● ●



For better visibility of the laser dot outdoors. With 3 different lenses: laser visibility glasses, safety glasses and sun glasses.  
Art. No. 780 117

#### Leica GLB 10R/GLB 10G ● ●



Red and green laser glasses for improved visibility of laser lines and dots in bright rooms and outdoors up to 15 m.  
Art. No. 834 534 (for red lasers)  
Art. No. 772 796 (for green laser)

#### Charger >

#### POWERLINE 4 LIGHT ● ●



For charging 4 rechargeable batteries; type AA or AAA; with 4 adapters for worldwide use; including 4 rechargeable batteries type AA/2300 mAh.  
Art. No. 806 679

#### UC 20 Universal quick charger ● ●



For charging 2 rechargeable batteries; type AAA; with 4 adapters for worldwide use; including 2 rechargeable batteries type Micro AAA NiMH/800 mAh. Art. No. 788 956

#### Mini USB car charger ●



For charging the Leica DISTO™ with USB interface; extremely small – even fits under socket covers; output: 5V/1 amp. Art. No. 806 566

# Technical data

| Technical data                                       | D1                   | D110                 | D2                            | D5  |
|--|----------------------|----------------------|-------------------------------|---|
| Art. No.   | 843 418              | 808 088              | 837 031                       | 950 908   |
| Packaging solution Art. No.                          |                      |                      |                               | 950 879<br>(incl. FTA 360, TRI 75<br>and metaBOX) |
| Typ. distance measuring accuracy                     | ± 2.0 mm             | ± 1.5 mm             | ± 1.5 mm                      | ± 1.0 mm  |
| Range  | 0.2 up to 40 m       | 0.05 up to 60 m      | 0.05 up to 100 m              | 0.05 up to 200 m                                  |
| Measuring units                                      | m, ft, in            | m, ft, in            | m, ft, in                     | m, ft, in   |
| X-Range Power Technology                             | ●                    | ●                    | ●                             | ●   |
| Distance in m<br>Ø of the laser dot in mm            | 10 m<br>6 mm         | 10, 50 m<br>6, 30 mm | 10, 50, 100 m<br>6, 30, 60 mm | 10, 50, 100 m<br>6, 30, 60 mm                     |
| Tilt sensor  |                      |                      |                               | ●   |
| Tilt sensor accuracy to the laser beam               |                      |                      |                               | ± 0.2°  |
| Tilt sensor accuracy to the housing                  |                      |                      |                               | ± 0.2°  |
| Units in the tilt sensor                             |                      |                      |                               | 0.0°, 0.00 %                                      |
| Smart Base measuring range<br>Horizontal<br>Vertical |                      |                      |                               |   |
| Distance in m<br>Typ. tolerance of the P2P function  |                      |                      |                               |   |
| Levelling range                                      |                      |                      |                               |   |
| Pointfinder with zoom                                |                      |                      |                               | 4 ×   |
| Picture file format                                  |                      |                      |                               |   |
| CAD data format on device                            |                      |                      |                               |   |
| Memory for CAD files on device                       |                      |                      |                               |   |
| Memory for last measurements                         |                      |                      | 10                            | 50  |
| Memory for reports                                   |                      |                      |                               |   |
| Display illumination                                 | ●                    | ●                    | ●                             | ●   |
| Free software for Windows                            | ●                    | ●                    | ●                             | ●   |
| App for iOS and Android                              | ●                    | ●                    | ●                             | ●   |
| Smart Room support                                   |                      |                      |                               | ●   |
| Wireless interface (low energy)                      | Bluetooth® 4.2       | Bluetooth® 4.2       | Bluetooth® 4.2                | Bluetooth® 5                                      |
| USB-C connector for charging and download            |                      |                      |                               | ● (charging only)                                 |
| Measurements per set of batteries                    | up to 10,000**       | up to 10,000**       | up to 10,000**                | up to 5,000**                                     |
| Service life of batteries                            | up to 20 h**         | up to 20 h**         | up to 20 h**                  | up to 10 h**                                      |
| Multifunctional end-piece                            |                      |                      | ●                             | ●   |
| Automatic reference detection for end-piece          |                      |                      | ●                             | ●   |
| Tripod thread  |                      |                      |                               | 1/4"  |
| Batteries  | type AAA 2 × 1.5 V   | type AAA 2 × 1.5 V   | type AAA 2 × 1.5 V            | Li-Ion  |
| Charging time  |                      |                      |                               | 3 h   |
| Protection class                                     | IP54                 | IP54                 | IP54                          | IP54  |
| 2 m drop tested                                      |                      |                      |                               |   |
| Dimensions   | 115 × 43.5 × 23.5 mm | 120 × 37 × 23 mm     | 116 × 44 × 26 mm              | 144 × 60 × 24 mm                                  |
| Weight with batteries                                | 87 g                 | 92 g                 | 100 g                         | 180 g   |

For all devices



in accordance with IEC 60825-1



| X3                            | X6  |
|-------------------------------|---|
| 833 800                       | 950 909   |
|                               | 950 878<br>(incl. DST 360-X, TRI 120 and metaBOX) |
| ± 1.0 mm                      | ± 1.0 mm  |
| 0.05 up to 150 m              | 0.05 up to 250 m                                  |
| m, ft, in                     | m, ft, in   |
| ●                             | ●   |
| 10, 50, 100 m<br>6, 30, 60 mm | 10, 50, 100 m<br>6, 30, 60 mm                     |
| ●                             | ●   |
| ± 0.2°                        | ± 0.2°  |
| ± 0.2°                        | ± 0.2°  |
| 0.0°, 0.00 %                  | 0.0°, 0.00 %                                      |
| 360°*<br>-64° to > 90°*       | 360°*<br>-64° to > 90°*                           |
| 2, 5, 10 m*<br>± 2, 5, 10 mm* | 2, 5, 10 m*<br>± 2, 5, 10 mm*                     |
| ± 5°*                         | ± 5°*   |
|                               | 4 ×   |
|                               | JPG   |
|                               | DXF, CSV  |
|                               | up to 1 000 points                                |
| 20                            |   |
|                               | 300   |
| ●                             | ●   |
| ●                             | ●   |
| ●                             | ●   |
| ●                             | ●   |
| Bluetooth® 4.2                | Bluetooth® 5                                      |
|                               | ●   |
| up to 4,000**                 | up to 5,000**                                     |
| up to 8 h**                   | up to 10 h**                                      |
| ●                             | ●   |
| ●                             | ●   |
| 1/4"                          | 1/4"  |
| type AA 2 × 1.5 V             | Li-Ion  |
|                               | 3 h   |
| IP65                          | IP65  |
| ●                             | ●   |
| 132 × 56 × 29 mm              | 155 × 68 × 25 mm                                  |
| 184 g                         | 230 g   |

\*) Applies for usage with Leica DST 360 / DST 360-X  
 \*\*) reduced when used with Bluetooth® or  
 Leica DST 360 / DST 360-X

## Leica DISTO™ Sets



### Leica DISTO™ D5 Package

Precise aiming at long distances  
 Art. No. 950 879



### Leica DISTO™ X6 P2P Package

The ultimate point-to-point solution  
 Art. No. 950 878



### metaBOX

The metaBOX is extremely robust and shatterproof and optimally protects the Leica DISTO™ devices from dirt and humidity. The accessories can also be safely stored and clearly arranged in it. Thanks to the simple stacking and coupling of the boxes, several devices can be carried to the construction site with one hand.

Art. No. 962 211 metaBOX 165L

Art. No. 962 165 inlay

Art. No. 979 673 mounting plate for metaBOX

Art. No. 979 672 adapter plate for other systems

# Technical data

| Technical data             | P5  | L2s   | L2  | L2Gs   | L2G   | L2P5  |
|----------------------------|---|---|---|--|---|---|
| Range*                     | 30 m  | 25 m  |   | 35 m   |   | 25 m  |
| Range with laser receiver* |   | 80 m  |   | 80 m   |   | 80 m  |
| Levelling accuracy         | ± 0.2 mm/m  | ± 0.2 mm/m  |   | ± 0.2 mm/m   |   | ± 0.2 mm/m  |
| Self-levelling range       | ± 4°  | ± 4°  |   | ± 4°   |   | ± 4°  |
| # of laser dots            | 5   |   |   |  |   | 4   |
| # of laser lines           |   | 2   |   | 2  |   | 2   |
| Beam direction             | up, down,<br>forward, right, left   | vertical, horizontal  |   | vertical, horizontal   |   | vertical, horizontal, up,<br>down, right, left  |
| Dot accuracy               | ± 0.2 mm / m  |   |   |  |   | ± 0.2 mm/m  |
| Horizontal line accuracy   |   | ± 0.3 mm/m  |   | ± 0.3 mm/m   |   | ± 0.3 mm/m  |
| Vertical line accuracy     |   | ± 0.3 mm/m  |   | ± 0.3 mm/m   |   | ± 0.3 mm/m  |
| Laser type                 | 635 nm/class 2  | 635 nm/class 2  |   | 525 nm/class 2   |   | 635 nm/class 2  |
| Battery type               | AA 3 x 1.5 V  | AA 3 x 1.5 V  | Li-Ion<br>rechargeable<br>(or AA 3 x 1.5 V)   | AA 3 x 1.5 V   | Li-Ion<br>rechargeable<br>(or AA 3 x 1.5 V)   | Li-Ion rechargeable<br>(or AA 3 x 1.5 V)  |
| Operating time**           | up to 37 h<br>(AA)  | up to 13 h<br>(AA)  | up to 44 h<br>(Li-Ion)  | up to 7 h<br>(AA)  | up to 28 h<br>(Li-Ion)  | up to 44 h<br>(Li-Ion)  |
| Protection class           | IP54  | IP54  | IP54  | IP54   | IP54  | IP54  |
| Dimensions                 | 110 x 60 x<br>100 mm  | 110 x 60 x<br>100 mm  | 110 x 60 x<br>100 mm  | 110 x 60 x<br>100 mm   | 110 x 60 x<br>100 mm  | 110 x 60 x<br>100 mm  |
| Weight with batteries      | 495 g   | 500 g   | 530 g   | 500 g  | 530 g   | 530 g   |
| Tripod thread              | 1/4"  | 1/4"  | 1/4"  | 1/4"   | 1/4"  | 1/4"  |
| Scope of delivery          | P5,<br>TWIST 360,<br>Alkaline battery tray,<br>batteries,<br>target plate,<br>hard case | L2,<br>TWIST 250,<br>Alkaline<br>battery tray,<br>batteries,<br>target plate,<br>soft pouch | L2,<br>TWIST 250,<br>Li-Ion<br>battery pack,<br>charger,<br>Alkaline<br>battery tray,<br>target plate,<br>hard case | L2G,<br>TWIST 250,<br>Alkaline<br>battery tray,<br>batteries,<br>target plate,<br>soft pouch | L2G,<br>TWIST 250,<br>UAL 130,<br>Li-Ion battery<br>pack, charger,<br>Alkaline<br>battery tray,<br>target plate,<br>hard case | L2P5,<br>TWIST 360,<br>Li-Ion battery pack,<br>charger,<br>Alkaline battery tray,<br>target plate,<br>hard case |

| Technical data receiver | RVL 80  | RGR 200                                    |
|-------------------------|---|--|
| Function                | locating red laser lines                        | locating red and green laser lines         |
| Working range*          | 5 – 80 m  | 2 – 80 m                                   |
| Accuracy                | ± 1 mm  | ± 1 mm, ± 3 mm                             |
| Accuracy channels       | 1   | 2  |
| Detection window        | 20 mm   | 85 mm                                      |
| Detectable spectrum     | 635 nm ± 5 nm red                               | 635 nm ± 5 nm red, 525 nm ± 5 nm green     |
| Automatic shut-off      | 10 min.   | 30 min.                                    |
| Digital display         |   | 2  |
| Illuminated display     |   | front and back side                        |
| Fixing magnets          |   | yes  |
| Acoustic signal         | 100 dB, 80 dB, 0 db switchable                  | 100 dB, 80 dB, 0 db switchable             |
| Battery type/life       | PP3 1 x 9 V/15 h                                | AA 2 x 1.5 V/40 h                          |
| Protection class        | IP54  | IP65                                       |
| Dimensions              | 140 x 68 x 25 mm                                | 158 x 73 x 26 mm                           |
| Weight with batteries   | 165 g   | 250 g                                      |
| Scope of delivery       | RVL 80, receiver bracket, batteries, soft pouch | RGR 200, tough receiver bracket, batteries |

For all devices

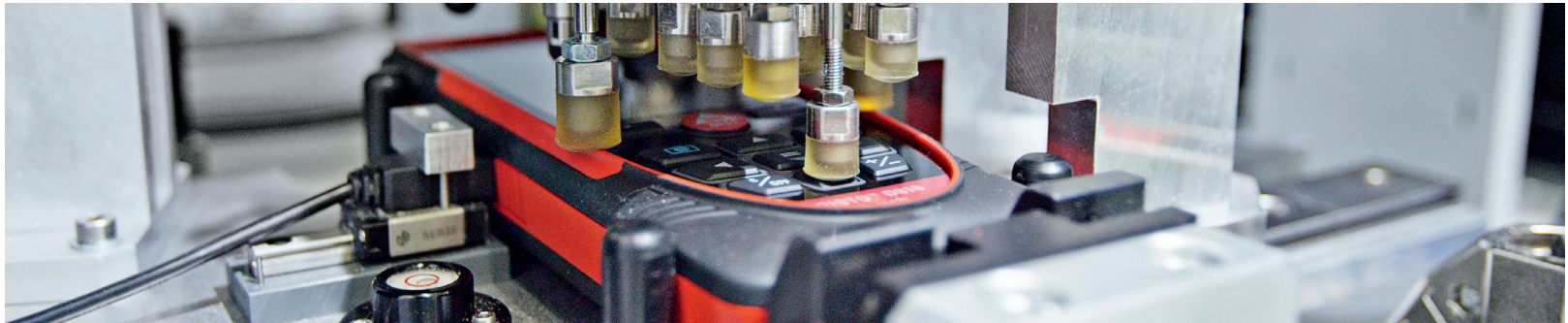


in accordance with IEC 60825-1

\*) depending on lightning conditions  
\*\*) depending on laser mode



| L2P5G   | L4P1   | L6Rs  | L6R   | L6Gs  | L6G   |
|---|--|---|---|---|---|
| 35 m  | 15 m   | 25 m  |   | 35 m  |   |
| 80 m  | 80 m   | 70 m  |   | 70 m  |   |
| ± 0.2 mm/m  | ± 0.2 mm/m   | ± 0.2 mm/m  |   | ± 0.2 mm/m  |   |
| ± 4°  | ± 3°   | ± 4°  |   | ± 4°  |   |
| 4   | 1  |   |   |   |   |
| 2   | 4  | 3 x 360°  |   | 3 x 360°  |   |
| vertical, horizontal, up, down, right, left   | 3 vertical, 1 horizontal, 1 plumb down   | 1 vertical front, 1 vertical side, 1 horizontal                 |   | 1 vertical front, 1 vertical side, 1 horizontal                                   |   |
| ± 0.2 mm/m  | ± 0.2 mm/m   | ± 0.2 mm/m  |   | ± 0.2 mm/m  |   |
| ± 0.3 mm/m  | ± 0.2 mm/m   | ± 0.3 mm/m  |   | ± 0.3 mm/m  |   |
| ± 0.3 mm/m  | ± 0.2 mm/m   | ± 0.3 mm/m  |   | ± 0.3 mm/m  |   |
| 525 nm/class 2  | 635 nm/class 2   | 635 nm/class 2  |   | 525 nm/class 2  |   |
| Li-Ion rechargeable (or AA 3 × 1.5 V)   | Li-Ion rechargeable (or AA 4 × 1.5 V)  | AA 3 × 1.5 V  | Li-Ion rechargeable (or AA 3 × 1.5 V)   | Li-Ion rechargeable (or AA 3 × 1.5 V)   |   |
| up to 28 h (Li-Ion)   | up to 24 h (Li-Ion)  | up to 25 h (AA)   | up to 36 h (Li-Ion)   | up to 11 h (Li-Ion)   | up to 11 h (Li-Ion)   |
| IP54  | IP54   | IP54  | IP54  | IP54  | IP54  |
| 110 × 60 × 100 mm   | 147 × 147 × 181 mm   | 124 × 107 × 154 mm  | 124 × 107 × 154 mm  | 124 × 107 × 154 mm  | 124 × 107 × 154 mm  |
| 530 g   | 1173 g   | 781 g   | 781 g   | 781 g   | 781 g   |
| 1/4"  | 5/8" + 1/4"  | 1/4"  | 1/4"  | 1/4"  | 1/4"  |
| L2P5G, TWIST 360, UAL 130, Li-Ion battery pack, charger, Alkaline battery tray, target plate, hard case | L4P1, Li-Ion battery pack, charger, Alkaline battery tray, target plate, hard case | L6R, Alkaline battery tray, batteries, target plate, soft pouch | L6R, TWIST 250, UAL 130, Li-Ion battery pack, charger, Alkaline battery tray, target plate, hard case | L6G, Li-Ion battery pack, charger, Alkaline battery tray, target plate, hard case | L6G, TWIST 250, UAL 130, Li-Ion battery pack, charger, Alkaline battery tray, target plate, hard case |



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