

# Leica DISTO™ & Leica Lino UP TO ANY TASK



PART OF  
**HEXAGON**

- when it has to be **right**

**Leica**  
Geosystems

## Content

Leica DISTO™	4-19
Leica Lino	20-25
Accessories	26-27
Technical data	28-31





## **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.

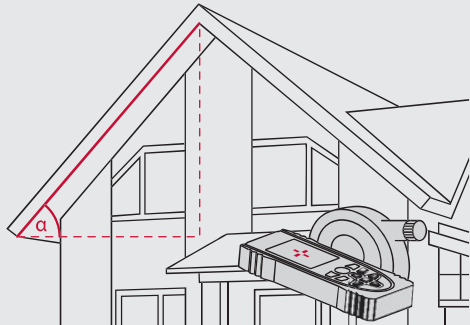
Our products are manufactured in state-of-the-art facilities around the world. Swiss technology is combined with exceptional craftsmanship to ensure highest precision and quality standards.

# Our unique technologies

## Technology from Leica Geosystems

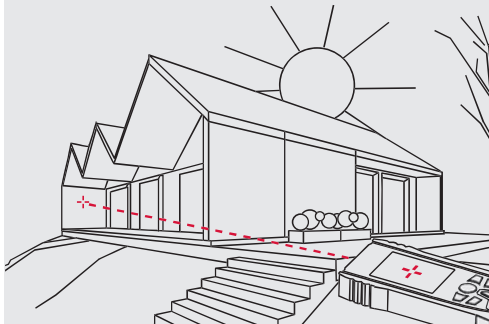
Continuous further development and new technologies mean that Leica DISTO™ devices provide comprehensive functionality. Equipped with a multitude of innovations, they are flexible and versatile across a wide range of applications. When in use, Leica DISTO™ excels through the highest accuracy and reliability.

### 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 used by the Leica DST 360 and the Smart Base of the Leica DISTO™ S910, use angle information to make this possible.

### Pointfinder



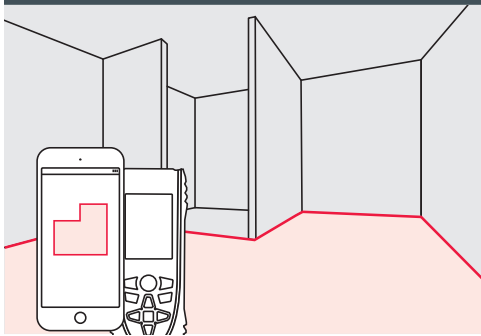
The digital Pointfinder, with its 4× zoom and large colour display, makes targeting easier over long distances. The high-resolution screen ensures a crystal-clear image, allowing you to measure perfectly, even in bright sunlight.

### ISO: Certified Quality—Assured reliability



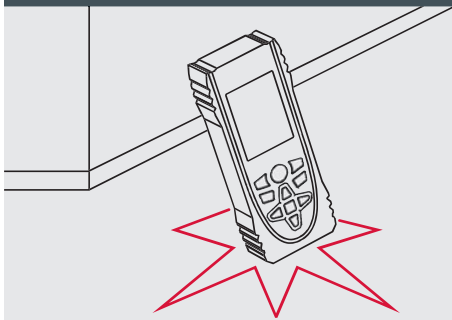
The range and accuracy of all Leica DISTO™ devices are checked in accordance with ISO 16331-1. As a result, you can be sure that the performance of the instrument is maintained not only in the test laboratory but even more importantly on everyday site tasks.

## Smart Room



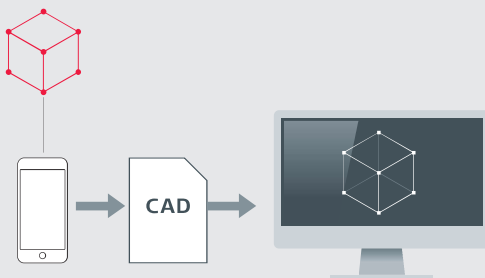
The Leica DISTO™ X3 and X4 in combination with the DISTO™ Plan app increase efficiency. New technologies allow the devices to keep a record of distance measurements and the angle between any two of those measurements at the same time. The app then transforms that information into accurate floor plans on your tablet or smartphone.

## Site proof



All devices are protected against dust and splash water to a minimum of IP 54 making them well equipped for everyday site tasks. The Leica DISTO™ X3, X4 and D510 achieve IP 65 for ratings 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?



Applications		D1	D110
<b>General important aspects</b>	Digital Pointfinder for outdoor measuring		
	Max. range	40m	60m
	Accuracy	± 2mm	± 1.5 mm
	P2P functionality		
	Extra durable housing with IP 65 and 2m drop tested		
<b>Computer interface</b>	Interfaces	Bluetooth® Smart	Bluetooth® Smart
	Data transfer to DISTO™ Plan and DISTO™ compatible apps	●	●
	Data transfer to any software or app		
<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		
	Plumbing, transferring heights		
	Projection of pre-defined pattern or dxf data		
<b>Planing</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	●**	●**
	Automatic scan of structures		
<b>Usability</b>	Touchscreen		
	Favorite keys		
	Automatic end piece		



D2	X3	X4	D510	D810 touch	S910	3D Disto
		●	●	●	●	●
100m	150m	150m	200m	250m	300m	50m
± 1.5 mm	± 1 mm	± 1 mm	± 1 mm	± 1 mm	± 1 mm	± 1 mm
	●*	●*			●	●
	●	●	IP 65			
Bluetooth® Smart	Bluetooth® Smart	Bluetooth® Smart	Bluetooth® Smart	Bluetooth® Smart	Bluetooth® Smart, WLAN	WLAN
●	●	●	●	●	●	
	●	●		●	●	
●	●	●	●	●	●	●
●	●	●	●	●	●	●
	●*	●*			●	●
●	●	●	●	●	●	●
	●*	●*			●	●
●	●	●	●	●	●	●
	●*	●*			●	●
●	●	●	●	●	●	●
	●*	●*			●	●
●	●	●	●	●	●	●
	●*	●*			●	●
●	●	●	●	●	●	●
	●*	●*			●	●
●	●	●	●	●	●	●
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	●*	●*			●	●
●	●	●	●	●	●	●
	●*	●*			●	●
●**	●**	●**	●**	●**	●**	●
	●***	●***			●**	●
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●**	●**	●**	●**	●**	●**	●
●**	●**	●**	●**	●**	●**	●
				●	●	●
	●	●	●	●	●	●
●	●	●	●	●		

\*) requires Leica DST 360    \*\*) requires DISTO™ Plan    \*\*\*) requires Leica DST 360 and DISTO™ Plan



# Leica DISTO™

## The right one for every job



### 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.

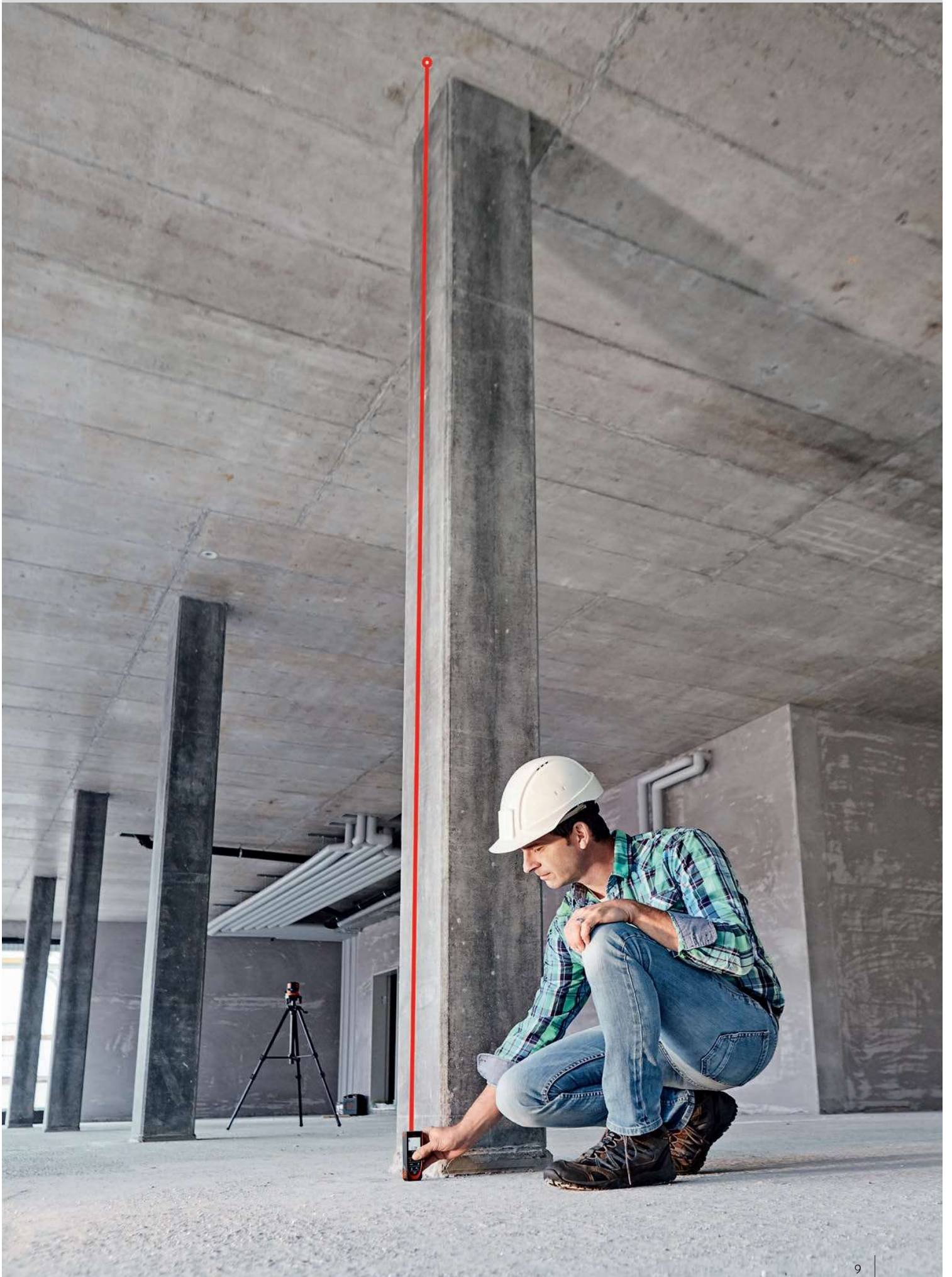
#### Useful functions

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™ X3

## Designed for tough, rugged conditions



The rugged Leica DISTO™ X-series combines innovative measuring technologies with a site-proof design and simple user interface. Together with the Leica DST 360, the X-series can be turned into a powerful 3D capturing station.

### **Robust**

The precision measurement module is protected by solid rubber. The Leica DISTO™ X-series is therefore particularly resistant. It is drop-tested up to 2 m in height.

### **Protection class IP 65**

The housing and keypad are water jet and dust protected. Cleaning the device under running water is no problem.

### **Tilt sensor and Smart Room**

The combination of distance and tilt measurements allows you to easily determine horizontal distances with absolute precision. You can even use your measurement data to automatically generate realistic and scaled floor plans.

### **Rotatable display**

The display automatically rotates in line with the orientation of the device; meaning you can easily read the screen from any angle.





# Leica DISTO™ X4

Designed for bright, outdoor environments



### Pointfinder camera

The DISTO™ X4 is equipped with a Pointfinder camera allowing you to easily target distant objects in bright sunlight. Even if the laser dot cannot be seen, the target appears clearly on the large colour display. The high-resolution screen ensures a crystal-clear image. Distance measurements are absolutely precise over long distances.



# Leica DST 360

Make your X-series into a P2P tool

### Point to Point Measuring (P2P)

The DST 360 is a great addition for your Leica DISTO™ X3 and X4. It will transform your handheld tool into a real station allowing you to measure distances between any 2 points. In combination with the Leica DISTO™ Plan app you can draw scaled plans which can be used in CAD tools.

### Metal design

The Leica DST 360 is made entirely out of metal. This ensures highest robustness and continuous precision.

### Precise aiming

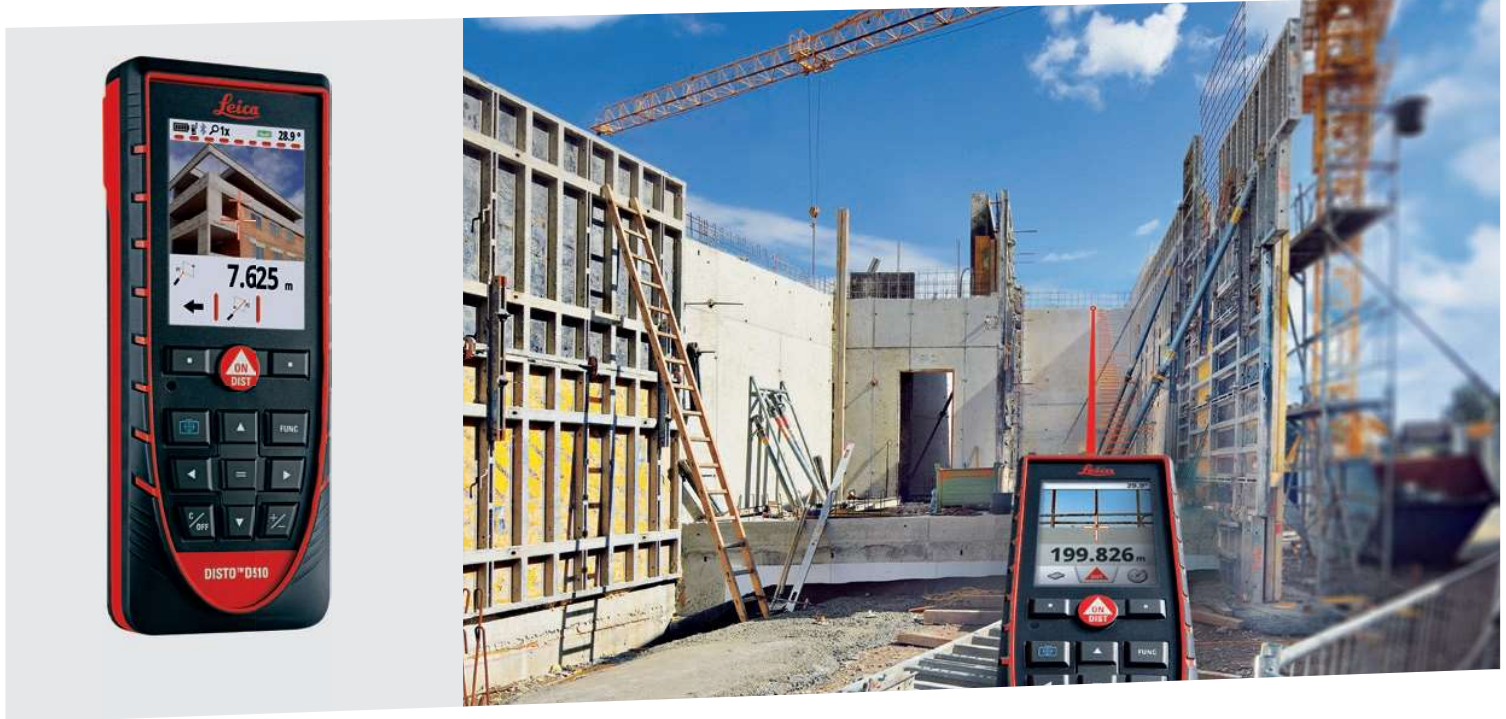
Fine adjustment handles on the Leica DST 360 allow you to accurately aim at measurement points in seconds.

### Job site ready

The Leica DST 360 comes with a compact but sturdy tripod TRI 120. Both are stored in a very robust case (IP 67) with space for your Leica DISTO™ X3 or X4. This means all your equipment is stored safely in one place.

# Leica DISTO™ D510

## Precise targeting with the Pointfinder



### Pointfinder

Outdoor lighting conditions and long distances can limit laser visibility. The digital Pointfinder with its 4× zoom overcomes this issue and makes tricky outdoor measurements an easy task.

### Tilt sensor 360°

Using the tilt sensor, you can quickly and easily determine tilts. The tilt sensor also allows you to measure horizontally or measure past obstructions. The results are guaranteed to be reliable.

### Smart measuring

The combination of tilt sensor and Pointfinder opens up some astounding ways of taking indirect measurements. Measurements can also be taken from objects that do not have a suitable reflective target point, e.g. when determining the height of a tree or when measuring the height of a reflecting glass facade. This is not possible with a conventional laser distance meter.

### Height profile measuring

The Leica DISTO™ D510 in combination with its tripod adapter FTA 360 make measuring elevation differences in a landscape or determining height differences in a building an easy task. You can simply take one initial reference measurement and relate all subsequent measurements to the initial one. There is no need for additional tools.

# Leica DISTO™ D810 touch

## Measuring in pictures with the optical zoom



### Simply touch-it!

Large touch screen for quick and intuitive operation. Using common gestures such as swipe and zoom with two fingers, all the functions are simply and easily accessible. Measurements can also be taken using the touch screen. This avoids unintentionally moving the Leica DISTO™ D810 touch during the measurement.

### Measure with a picture

It has never been easier to determine an object's width, height, surface area or even its diameter. Only one measurement at the correct angle is needed. Once taken, simply align the two arrows on your screen to the required points in your measurement picture and the result will show. The Pointfinder's 4x zoom, and the device's overview camera, make measuring objects of any size an easy task.

### Documentation using pictures

The camera function on the Leica DISTO™ D810 touch can be used to create pictures or screen shots for recording purposes, which can then be downloaded to a computer via the USB interface. Thus no details about the measured target points need be lost.

### High precision

The Leica DISTO™ D810 touch offers a number of indirect measuring functions. Due to the specially developed tilt sensor the results are very precise. Even more accurate results can be achieved using the Leica FTA 360 tripod adapter with fine drive because this adapter allows exact targeting.

### Flexible data transfer

Set your Leica DISTO™ D810 touch to keyboard mode, connect it to your computer and transfer measured values as if you were using your actual keyboard. This option provides a high degree of flexibility.



# Leica DISTO™ S910 + FTA 360-S

## Measure anything from anywhere with P2P Technology



### Point to Point Measuring

Equipped with P2P Technology, the Leica DISTO™ S910 revolutionises measurement using hand-held laser distance meters. The integrated Smart Base enables to measure distances (e.g. widths) between any two points from one location. The combination of the Smart Base and the integrated tilt sensor opens up completely new possibilities making the Leica DISTO™ S910 the most versatile laser distance meter on the market.

### Capture measurement data in CAD format

A world's first! The Leica DISTO™ S910 can save all the measured points into a dxf file, as a floor plan, wall layout or even as 3D data, which can be downloaded later in the office to a PC via the USB interface. To provide you with complete and reliable documentation, the Leica DISTO™ S910 also stores all the pictures showing where you measured to. This simplifies the task of creating more accurate drawings, or smoothes the process of quality checks.

### Real-time transfer of point data

Measurement data can be transferred directly on site over the WLAN interface to a laptop to be further processed in your preferred software. Establishing the connection is extremely easy – similar to a hotspot. You can transfer as many measurement points as you like – with or without pictures – and create or check documentation in real-time. The free Leica DISTO™ transfer with Plugin software also supports the transfer of your results into AutoCAD® and BricsCAD®.

### 300 m range with X-Range Power Technology

The Leica DISTO™ S910 represents the measuring technology of the future with its innovative X-Range Power Technology. It can measure distances of up to 300 m and guarantees quick and reliable measurements, even in bright sunlight or when objects reflect poorly. Range and accuracy are tested in accordance with ISO 16331-1; meaning the Leica DISTO™ S910 delivers on its promises.

# Leica 3D Disto

## Recreating the real world



### Versatility meets efficiency

The Leica 3D Disto is a robust and precisely manufactured measuring instrument which easily detects the location and height of a target point. Its integral camera precisely determines the position of each chosen point using a highly accurate combination of distance and angle measurements. Those points are then captured by the 3D Disto. You can effortlessly measure and record distances, areas, gradients and angles – even when measurement points aren't easily accessible. Forgotten measurements and handwriting errors are a thing of the past.

### Room scan

Using the manual or fully automatic mode, you can measure rooms, walls, windows, structural connections or even stairs from just one position.

### Project to any surface

The Leica 3D Disto can project each individual point of your design onto any surface; whether a ceiling grid or a project layout for floors or walls.

### Tool kit

Many additional functions are part of the Leica 3D Disto's tool kit. For example, you can establish plumb, determine level reference points, or precisely transfer offsets or locations.



# Leica DISTO™ Plan

## Measuring requires documentation



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 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 and X4 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.

### P2P Measure – create as-built plans

The Leica DISTO™ Plan app supports Point-to-Point (P2P) technology which makes it possible to create detailed floor, and wall plans – including openings for doors and windows. These plans are easily exported in a dxf or dwg file format. P2P technology also allows for volume measurements, such as calculating the volume of an excavation using the 'Earthworks' function within the app.

### 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.

# The world of measuring apps

## Your access to your software packages



### 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.



**Orthograph**  
by Orthograph



**Magicplan**  
by Sensopia



**Room Planner**  
by Chief Architect



**Measure Mobile**  
by RFMS



**Xactimate**  
by Xactware Solutions



**WinWorker Raumaufmass**  
by Sander + Partner

# Any measurements are possible

**m<sup>2</sup>**  
**m<sup>3</sup>**

**Area and volume measurements**

**Sloped object measurement**

**Painter function**

**Height profile measurements**

**Smart Horizontal Mode**

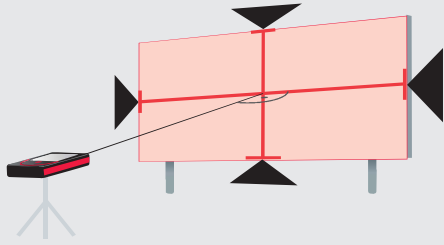
**Pythagoras functions**

**Height tracking**

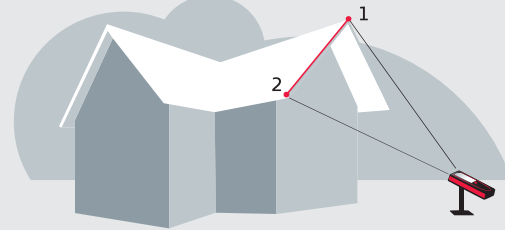
**Stake-out function**



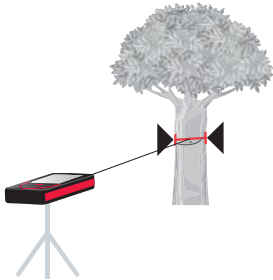
### Measuring widths, heights and areas



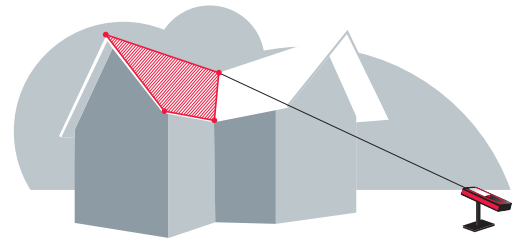
### Point to Point Measurement



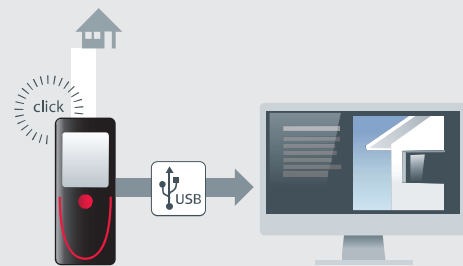
### Diameter measurement



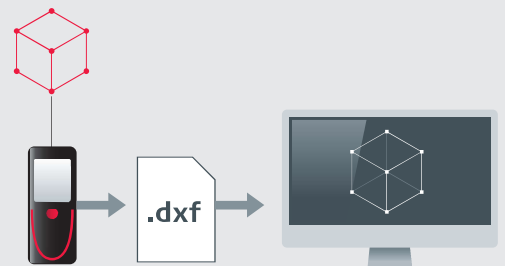
### Smart Area Measurement



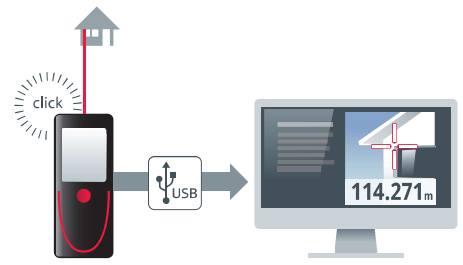
### Take pictures with the overview camera



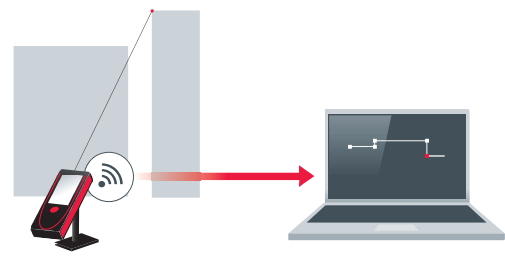
### Data capture in dxf files



### Screen shots



### Point data transfer



# Leica Lino

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

## Technology 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	L4P1
<b>General important aspects</b>	Green laser for better point and line visibility			●		●	
	Recommended maximum working range	30m	25m	35m	25m	35m	15m
	Levelling accuracy	± 0.2 mm/m	± 0.2 mm/m	± 0.2 mm/m	± 0.2 mm/m	± 0.2 mm/m	± 0.2 mm/m
<b>Horizontal</b>	Alignment	(●)	●	●	●	●	●
	Transferring heights	(●)	●	●	●	●	●
	Fine adjustment for e.g. suspended ceilings		●*	●*	●*	●*	
<b>Vertical</b>	Alignment	(●)	●	●	●	●	●
	Fine adjustment manual						●
	Fine adjustment motorized (XCR catch)						
<b>Plumbing</b>	Transferring points from floor to ceiling	●			●	●	(●)
<b>Slopes</b>	Lock laser for slope alignment		●	●	●	●	●
<b>Stake-out</b>	Rectangular angles	●			●	●	●
<b>Usability</b>	Extra long operation with Li-Ion power	●**	●**	●	●	●	●
	Operation during charging	●**	●**	●	●	●	●
	Alternative usage with Alkaline batteries	●	●	●	●	●	●
	Remote control						
	Easiest setup to adapter with magnets	●	●	●	●	●	
Range extension with receiver		●	●	●	●	●	

\* ) UAL 130 accessory required \*\* ) Li-Ion accessory required

## Leica Lino ML180

### One man layout with auto-alignment

The Smart Targeting function makes it possible to produce layout drawings efficiently on your own. Simply align the laser line with its XCR Catch receiver at the press of a button. The precision of the electronic self-leveling system allows you to produce accurate long-distance layouts of up to 100 m, helping you to avoid expensive measurement errors.





# Leica Lino L4P1

## Powerful & versatile for all interior applications



L6R	L6G	ML180
	●	
25 m	35 m	20 m
± 0.2 mm/m	± 0.2 mm/m	± 0.07 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

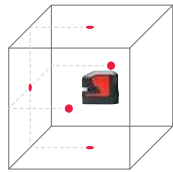
The Leica Lino automatically adjusts its positioning if it is slightly out of level (up to  $\pm 4^\circ$ ). If the tilt is outside the  $\pm 4^\circ$  limit, the instrument activates a visual alert to prevent errors. This means its setup to project lines or dots is quick and effortless.

### 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

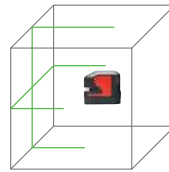
All Leica Linos are dust and spray water protected. This makes them tough instruments suitable for today's jobsite conditions.



### Lino P5

#### Right to the point!

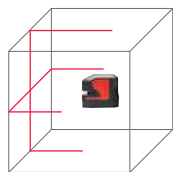
Forget about plumb bobs, string lines and spirit levels! The Leica Lino P5 point laser is practical and simple to operate. Just one button is needed for all its applications. It quickly and accurately projects all the points you need which makes it an efficient solution for professional plumbing and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



### Lino L2G

#### Visibility on a new level

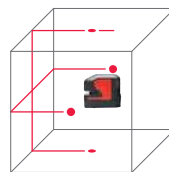
The Leica Lino L2G cross line laser projects highly visible lines at the correct angles to one another. Its new laser uses the latest green laser technology which makes lines even more visible and clear. As a result, this laser will make it easier for you to see your reference lines, even in extreme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

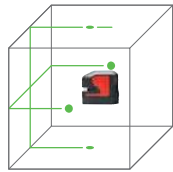
### Green visibility

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

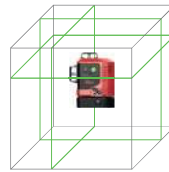
Green Laser



### Lino L2P5G

#### Multi-functional

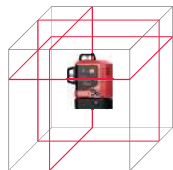
The cross lines of the Leica Lino L2P5G support alignment tasks and its five laser points allow you to plumb, set out, or transfer measured points. The green lasers increase laser visibility in bright environments and large rooms. The use of Li-Ion battery technology further optimises the instruments 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 70 ● ●



The small portable tripod is intended for every-day use. Its features include easy fine adjustment and a bubble level. Extendible length from 0.40 m to 1.15 m. Art. No. 794 963

Leica TRI 100 ● ●



Quality tripod with bubble level, very easy fine adjustment. Extendible length from 0.70 m to 1.74 m. Art. No. 757 938

Leica TRI 120 ●



Twist locks for the legs are making this tripod even more stable. The 180° foldable legs are making it ultimately compact. Extendible 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 3/4" 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 CET 103 ●



Professional, multifunctional aluminium elevator tripod with 5/8" fixing screw, shoulder strap, fast clamps and bubble, working height 0.84 m – 2.46 m, with mm-scale, exchangeable rubber feet. Art. No. 768 033

Leica CLR 290 clamp rod ●



With universal mounting platform for line and rotating lasers. Extendible 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

### Adapters for DISTO™ >

Leica DST 360 ●



The smart adapter for Leica DISTO™ X3 and X4 making them into a DISTO™ station. It enables P2P measurements with the device or even to a full planning tool with the Leica DISTO™ Plan App. Art. No. 864982  
Art. No. 848783 incl. TRI 120 and rugged case

Leica FTA 360-S ●



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. 828414 for Leica DISTO™ S910  
Art. No. 799301 for Leica DISTO™ D510 and D810 touch

Leica FTA 360 ●



### Adapter 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. 6012352

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 IP 65 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. 921250

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 lasers)

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	X3	X4
Art. No.	843418	808088	837031	850833	855107
Packaging solution Art. No.				887687 (incl. DST 360 + TRI 120)	887891 (incl. DST 360 + TRI 120)
Typ. distance measuring accuracy	± 2.0 mm	± 1.5 mm	± 1.5 mm	± 1.0 mm	± 1.0 mm
Range	0.2 up to 40 m	0.2 up to 60 m	0.05 up to 100 m	0.05 up to 150 m	0.05 up to 150 m
Measuring units	m, ft, in	m, ft, in	m, ft, in	m, ft, in	m, ft, in
X-Range Power Technology	●	●	●	●	●
Distance in m Ø of the laser dot in mm	10 m 6 mm	10, 50 m 6, 30 mm"	10, 50, 100 m 6, 30, 60 mm	10, 50, 100 m 6, 30, 60 mm	10, 50, 100 m 6, 30, 60 mm
Tilt sensor				●	●
Tilt sensor accuracy to the laser beam				± 0.2°	± 0.2°
Tilt sensor accuracy to the housing				± 0.2°	± 0.2°
Units in the tilt sensor				0.0°, 0.00 %	0.0°, 0.00 %
Smart Base measuring range Horizontal Vertical				360°* -64° to > 90°*	360°* -64° to > 90°*
Distance in m Typ. tolerance of the P2P function				2, 5, 10 m* ± 2, 5, 10 mm*	2, 5, 10 m* ± 2, 5, 10 mm*
Levelling range				± 5° *	± 5° *
Pointfinder with zoom					4 ×
Additional overview camera					
Picture file format					
Memory for pictures					
CAD data format on device					
Memory for CAD files on device					
Memory for last measurements			10	20	20
Display illumination	●	●	●	●	●
Free software for Windows	●	●	●	●	●
Free App for iOS and Android	●	●	●	●	●
Smart Room support				●	●
General data interface	Bluetooth® Smart	Bluetooth® Smart	Bluetooth® Smart	Bluetooth® Smart	Bluetooth® Smart
Data interface for 3D point data				Bluetooth® Smart*	Bluetooth® Smart*
Measurements per set of batteries	up to 10,000**	up to 10,000**	up to 10,000**	up to 4,000**	up to 4,000**
Service life of batteries	up to 20 h**	up to 20 h**	up to 20 h**	up to 8 h**	up to 8 h**
Multifunctional endpiece			●	●	●
Automatic reference detection for endpiece			●	●	●
Tripod thread				1/4"	1/4"
Batteries	type AAA 2 × 1.5 V	type AAA 2 × 1.5 V	type AAA 2 × 1.5 V	type AA 2 × 1.5 V	type AA 2 × 1.5 V
Charging time					
Protection class	IP 54	IP 54	IP 54	IP 65	IP 65
2 m drop tested				●	●
Dimensions	115 × 43.5 × 23.5 mm	120 × 37 × 23 mm	116 × 44 × 26 mm	132 × 56 × 29 mm	132 × 56 × 29 mm
Weight with batteries	87 g	92 g	100 g	184 g	188 g

For all devices  in accordance with IEC 60825-1

D510	D810 touch	S910	3D Disto
792290	792297	805080	836546
823199 (incl. FTA 360 + TRI 70)	806648 (incl. FTA 360 + TRI 70)	887900 (incl. FTA 360-S + TRI 120)	
± 1.0 mm	± 1.0 mm	± 1.0 mm	
0.05 up to 200 m	0.05 up to 250 m	0.05 up to 300 m	0.5 up to 50 m
m, ft, in	m, ft, in	m, ft, in	m, ft, in
●	●	●	●
10, 50, 100 m 6, 30, 60 mm	10, 50, 100 m 6, 30, 60 mm	10, 50, 100 m 6, 30, 60 mm	10, 30 m 7×7 mm, 9×15 mm
●	●	●	
± 0.2°	-0.1°/+ 0.2°	-0.1°/+ 0.2°	
± 0.2°	± 0.1°	± 0.1°	
0.0°, 0.00 % mm/m, in/ft	0.0°, 0.00 % mm/m, in/ft	0.0°, 0.00 % mm/m, in/ft	
		360° -40° to 80°	360° -80° to > 90°
		2, 5, 10 m ± 2, 5, 10 mm	10, 30, 50 m ± 1, 2, 4 mm
		± 5°	± 3°
4 ×	4 ×	4 ×	8 ×
	●	●	
	.jpg	.jpg	.jpg
	80	80	Tablet
		.dxf	.dxf, .dwg
		20 files × 30 points	Tablet
30	30	50	
●	●	●	●
●	●	●	Software included
●	●	●	
Bluetooth® Smart	Bluetooth® Smart	Bluetooth® Smart	WLAN
		WLAN	WLAN
up to 5,000**	up to 4,000**	up to 4,000**	
up to 10 h**	up to 8 h**	up to 8 h**	up to 8 h
●	●	pin	
●	●		
1/4"	1/4"	1/4"	5/8"
type AA 2 × 1.5 V	Li-Ion rechargeable	Li-Ion rechargeable	Li-Ion rechargeable
	4 h	4 h	7 h
IP 65	IP 54	IP 54	IP 54
143 × 58 × 29 mm	164 × 61 × 31 mm	164 × 61 × 32 mm	∅ 187 × 215.5 mm
198 g	238 g	290 g	2.8 kg

\*) Applies for usage with Leica DST 360

\*\*\*) reduced when used with Bluetooth®, WLAN or Leica DST 360

## Leica DISTO™ sets



**Leica DISTO™ S910 P2P-Package –  
The Ultimate Point-to-Point Solution**  
Art. No. 887900



**Leica DISTO™ X4 P2P-Package –  
The Outdoor Point-to-Point Solution**  
Art. No. 887891



**Leica DISTO™ X3 P2P-Package –  
The Indoor Point-to-Point Solution**  
Art. No. 887687



**Leica DISTO™ D810 touch set**  
Art. No. 806648



**Leica DISTO™ D510 set**  
Art. No. 823199



# Technical data

Technical data	P5		L2		L2G		L2P5
Art. No.	864427	848435	864413	912932	864420	864431	
Range *	30 m	25 m		35 m		25 m	
Range with laser receiver *		80 m		80 m		80 m	
Smart targeting							
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, forward, right, left	vertical, horizontal		vertical, horizontal		vertical, horizontal, up, 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 1.5V	AA 3 x 1.5V	Li-Ion rechargeable (or AA 3 x 1.5V)	AA 3 x 1.5V	Li-Ion rechargeable (or AA 3 x 1.5V)	Li-Ion rechargeable (or AA 3 x 1.5V)	
Operating time **	up to 37 h (AA)	up to 13 h (AA)	up to 44 h (Li-Ion)	up to 7 h (AA)	up to 28 h (Li-Ion)	up to 44 h (Li-Ion)	
Protection class	IP 54	IP 54	IP 54	IP 54	IP 54	IP 54	
Dimensions	110 x 60 x 100 mm	110 x 60 x 100 mm	110 x 60 x 100 mm	110 x 60 x 100 mm	110 x 60 x 100 mm	110 x 60 x 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, TWIST 360, Alkaline battery tray, batteries, target plate, hard case	L2, TWIST 250, Alkaline battery tray, batteries, target plate, soft pouch	L2, TWIST 250, Li-Ion battery pack, charger, Alkaline battery tray, target plate, hard case	L2G, TWIST 250, Alkaline battery tray, batteries, target plate, soft pouch	L2G, TWIST 250, UAL 130, Li-Ion battery pack, charger, Alkaline battery tray, target plate, hard case	L2P5, TWIST 360, Li-Ion battery pack, charger, Alkaline battery tray, target plate, hard case	

Technical data receiver	RVL 80	RGR 200
Art. No.	838757	866090
Function	locating red laser lines	locating red and green laser lines
Working range*	5–80 m	2–80 m
Accuracy	± 1mm	± 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
Acoustical signal	100 dB, 80 dB, 0 db switchable	100 dB, 80 dB, 0 db switchable
Battery type/life	PP3 1 x 9V/15h	AA 2 x 1.5 V/40h
Protection class	IP 54	IP 65
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	L6R		L6G		ML180
864435	834838	918976	912969	918977	912971	784438
35 m	15 m	25 m		35 m		20 m
80 m	80 m	70 m		70 m		100 m
						●
± 0.2 mm/m	± 0.2 mm/m	± 0.2 mm/m		± 0.2 mm/m		± 0.07 mm/m
± 4°	± 3°	± 4°		± 4°		± 5°
4	1					1
2	4	3 x 360°		3 x 360°		4
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		vertical forward + right + left, horizontal, plumb down
± 0.2 mm/m	± 0.2 mm/m	± 0.2 mm/m		± 0.2 mm/m		± 0.1 mm/m
± 0.3 mm/m	± 0.2 mm/m	± 0.3 mm/m		± 0.3 mm/m		± 0.07 mm/m
± 0.3 mm/m	± 0.2 mm/m	± 0.3 mm/m		± 0.3 mm/m		± 0.07 mm/m
525 nm/class 2	635 nm/class 2	635 nm/class 2		525 nm/class 2		635 nm/class 2
Li-Ion rechargeable (or AA 3 x 1.5V)	Li-Ion rechargeable (or AA 4 x 1.5V)	AA 3 x 1.5V	Li-Ion rechargeable (or AA 3 x 1.5V)	Li-Ion rechargeable (or AA 3 x 1.5V)		NiMH rechargeable (or D 2 x 1.5V)
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)	up to 12 h (NiMH)
IP 54	IP 54	IP 54	IP 54	IP 54	IP 54	IP 54
110 x 60 x 100 mm	147 x 147 x 181 mm	124 x 107 x 154 mm	124 x 107 x 154 mm	124 x 107 x 154 mm	124 x 107 x 154 mm	250 x 159 x 230 mm
530 g	1173 g	781 g	781 g	781 g	781 g	2200 g
1/4"	5/8" + 1/4"	1/4"	1/4"	1/4"	1/4"	5/8"
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, soft pouch	L6G, TWIST 250, UAL 130, Li-Ion battery pack, charger, Alkaline battery tray, target plate, hard case	ML180, XCR Catch, NiMH battery pack, charger, Alkaline battery tray, laser goggles, target plate, hard case



### Extend the warranty of your product

The Leica Geosystems products and Li-Ion batteries meet the highest quality demands. Register your product within 8 weeks of purchase at [www.disto.com](http://www.disto.com) and benefit from our 3-year warranty, respectively 2-year warranty on Li-Ion batteries.



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

Dealer stamp

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- when it has to be **right**

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