

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



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



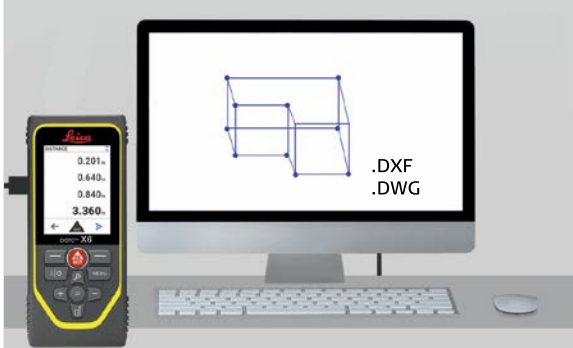
The Leica DISTO™ X6, D5 and X3 in combination with the DISTO™ Plan app increase efficiency. New technologies allow the devices to keep a record of distance measurements and the angle between any two of those measurements at the same time. The app then transforms that information into accurate floor plans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

Applications	
General important aspects	Digital Pointfinder for outdoor measuring
	Max. Range
	Accuracy
	P2P functionality
	Extra durable housing with IP65 and 2 m drop tested
Computer interface	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
Distances	Distance measurement from device
	Dimensional measurements on objects
	Indirect distance measurement over obstacles
	P2P function — any distance between 2 points
Areas	Rectangular shapes (length and width)
	P2P — Smart Area for complex shapes
	Measure in picture — facades, vertical boards
Volume	Rectangular shapes (length, width, height)
Widths	Using Pythagoras Theorem
	Measure in picture — width measurement
	P2P function
Heights	Smart functions using distance and inclination for calculation
	Height profile
	P2P function
Slopes	Inclinations
	Smart functions using distance and inclination for calculation
	P2P function
Diameter	Measure in picture — diameter of objects
Positioning	Continuous measuring — tracking
	Stake-out
Planing and Documenting	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)
Usability	Touchscreen
	Trigger measurement with gestures
	Favorite keys
	Automatic end-piece
	Keyboard mode

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

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

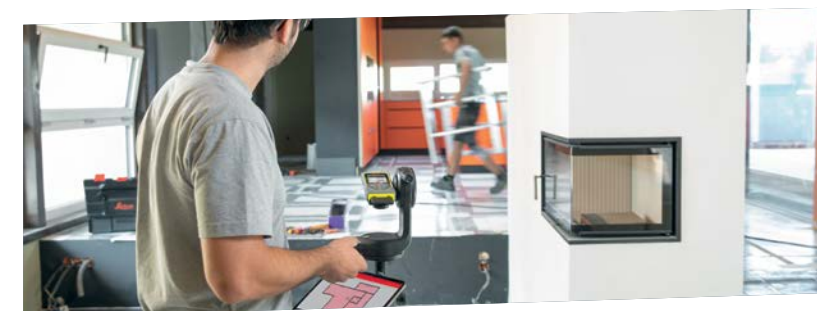
The extra-large memory allows to save multiple measurement protocols on the Leica DISTO™ X6, simplifying documentation.

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.

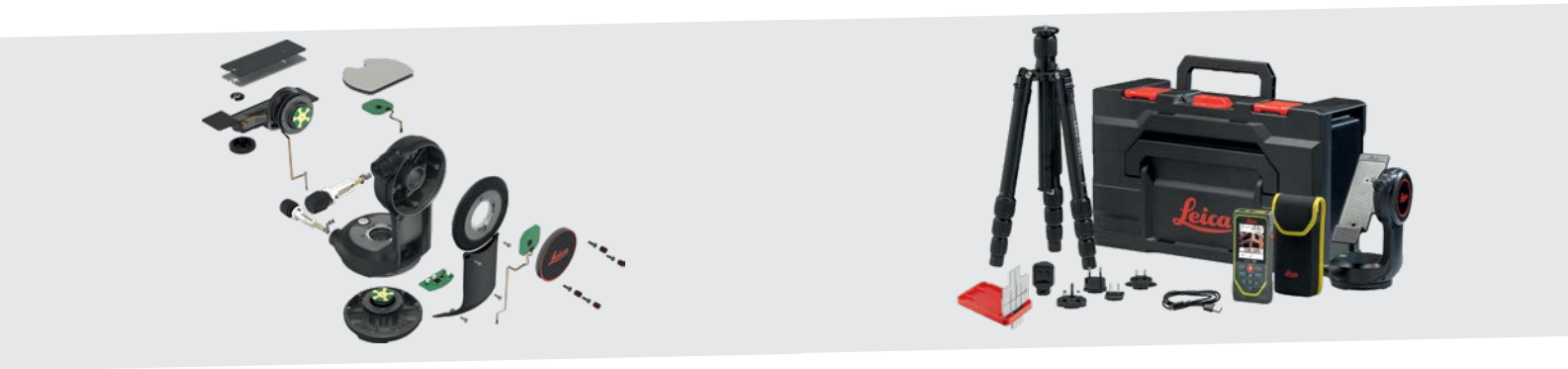
Environmental friendliness

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



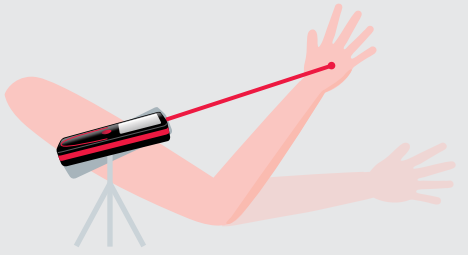
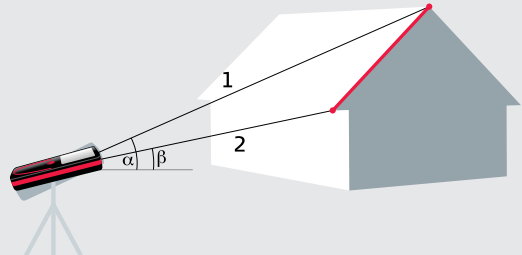
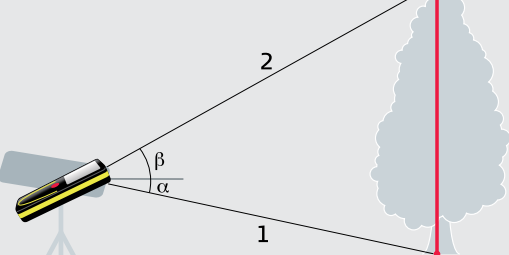
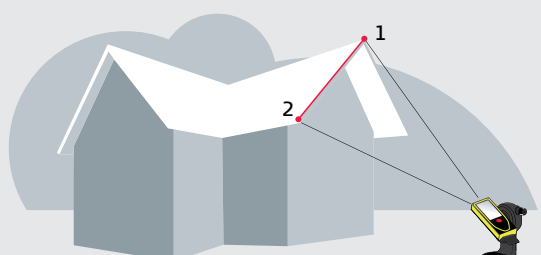
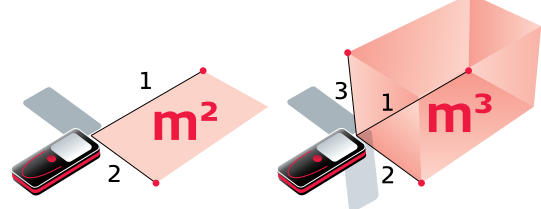
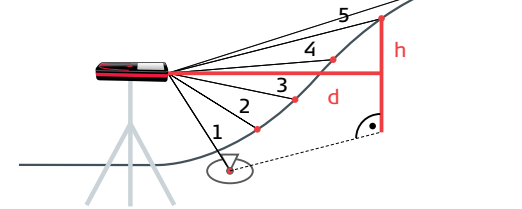
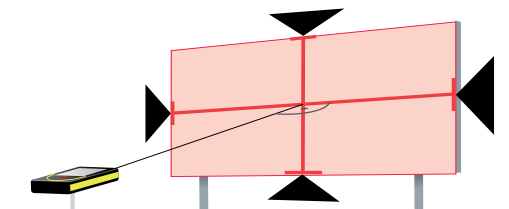
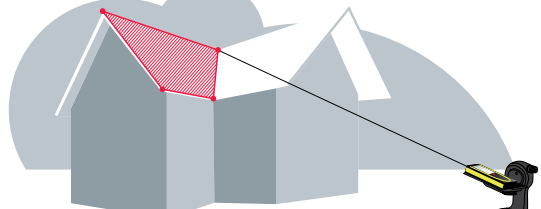
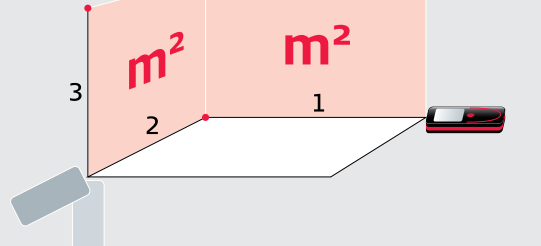
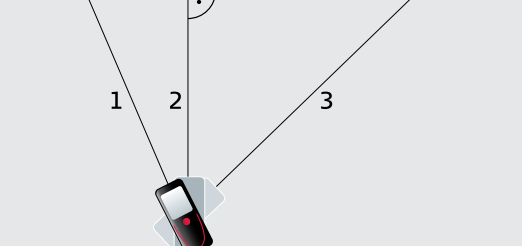
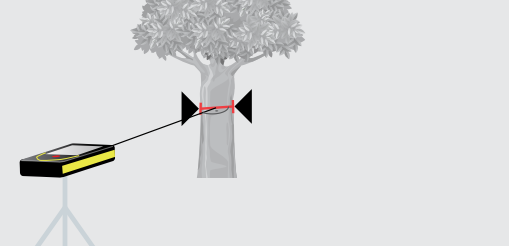
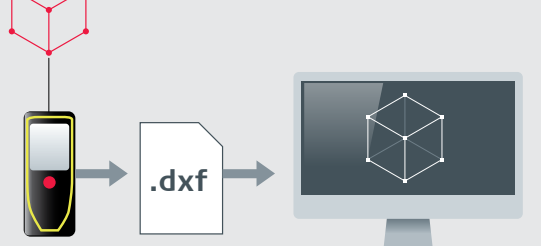
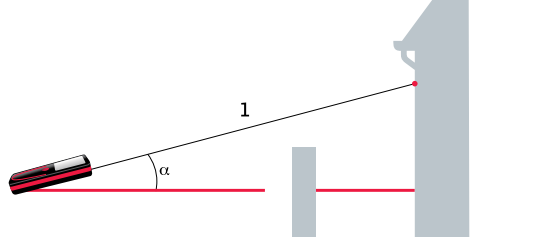
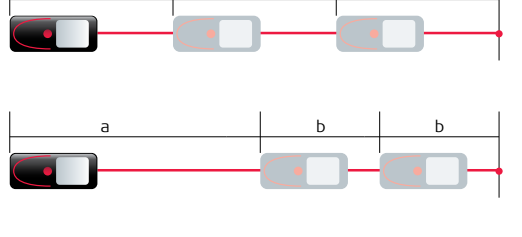
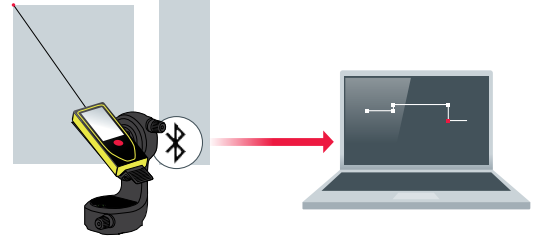
Apps made for Leica DISTO™

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.



Any Measurements are Possible

The Optimal Function for Every Situation

 Triggering measurements with gestures 	 Sloped object measurement 	 Height tracking 	 Point to Point Measurement 
 Area and volume measurements 	 Height profile measurements 	 Measuring widths, heights and areas 	 Smart Area Measurement 
 Painter function 	 Pythagoras functions 	 Diameter measurement 	 Data capture in dxf files 
 Smart Horizontal Mode 	 Stake-out function 	 Keyboard mode 	 Point data transfer 

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.

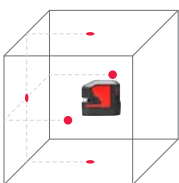
Rugged design

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

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.

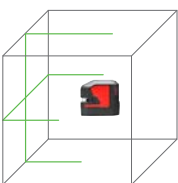
 **Best visibility**
Green Laser



Lino P5

Right to the point!

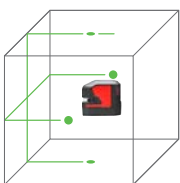
Forget about plumb bobs, string lines and spirit levels! The Leica Lino P5 point laser is practical and simple to operate. Just one button is needed for all its applications. It quickly and accurately projects all the points you need which makes it an efficient solution for professional plumbing and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



Lino L2G

Visibility on a new level

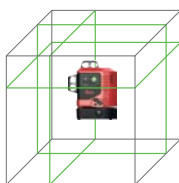
The Leica Lino L2G cross line laser projects highly visible lines at the correct angles to one another. Its new laser uses the latest green laser technology which makes lines even more visible and clear. As a result, this laser will make it easier for you to see your reference lines, even in extreme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



Lino L2P5G

Multi-functional

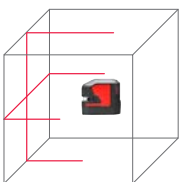
The cross lines of the Leica Lino L2P5G support alignment tasks and its five laser points allow you to plumb, set out, or transfer measured points. The green lasers increase laser visibility in bright environments and large rooms. The use of Li-Ion battery technology further optimises the instruments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



Lino L6G

Highly Visible Laser Lines

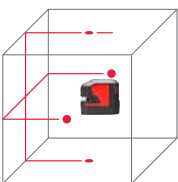
The Leica Lino L6G is equipped with green Ultra-power laser diodes. Its thin, crisp and clearly visible green laser lines are ideal for bright and large work environments. The laser's vertical lines are easily adjusted once the plumb point (cross-section of two vertical lines), which is located outside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



Lino L2

You can rely on its sharp lines

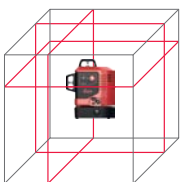
Time-consuming and tedious drawing of lines on walls is a thing of the past. The Leica Lino L2 projects them exactly, quickly and easily while you concentrate on the job in hand. The increased laser power enhances line visibility and improves the efficiency of interior work.



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.



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.

Technical data

Technical data	D1	D110	D2	D5
Art. No.	843 418	808 088	837 031	950 908
Packaging solution Art. No.				950 879 (incl. FTA 360, TRI 75 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 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
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 Horizontal Vertical				
Distance in m 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

X3	X6
833 800	950 909
	950 878 (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 6, 30, 60 mm	10, 50, 100 m 6, 30, 60 mm
●	●
± 0.2°	± 0.2°
± 0.2°	± 0.2°
0.0°, 0.00 %	0.0°, 0.00 %
360°* -64° to > 90°*	360°* -64° to > 90°*
2, 5, 10 m* ± 2, 5, 10 mm*	2, 5, 10 m* ± 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

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

For all devices



in accordance with IEC 60825-1

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