

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



## Content

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



## Latest Developments



Laser Distance Meter  
Page 9



Laser Distance Meter  
Page 9



Laser Distance Meter  
Page 12



Receiver for Linelasers  
Page 27

## 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.

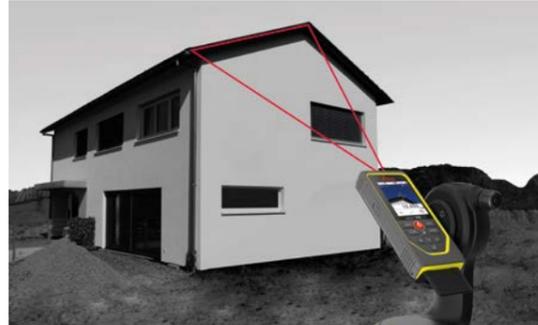
Our products are manufactured in state-of-the-art facilities around the world. Swiss technology is combined with exceptional craftsmanship to ensure highest precision and quality standards.

# 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 4x 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



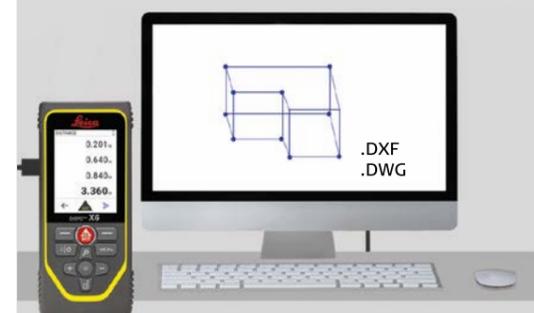
The Leica DISTO™ X6, D5, X3, D2G and D2 in combination with the DISTO™ Plan app increase efficiency. New technologies allow the devices to keep a record of distance measurements and the angle between any two of those measurements at the same time. The app then transforms that information into accurate 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™ X series 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	
<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
	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, triangular areas)
	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	D2	D2G	D5	X1	X3	X6
				●			●
40m	40m	150m	120m	200m	100m	150m	250m
± 2 mm	± 2 mm	± 1.5 mm	± 1.5 mm	± 1 mm	± 1.5 mm	± 1 mm	± 1 mm
						●*	●*
					●	●	●
Bluetooth® 4.2	Bluetooth® 4.2	Bluetooth® 6.0 NFC	Bluetooth® 6.0 NFC	Bluetooth® 5	Bluetooth® 6.0 NFC	Bluetooth® 4.2	Bluetooth® 5
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●
						●*	●*
		●	●	●	●**	●	●
						●*	●*
		●	●	●	●	●	●
		●	●	●		●	●
						●*	●*
		●	●	●		●	●
		●	●	●		●	●
						●*	●*
							●
●	●	●	●	●	●	●	●
		●	●	●		●	●
●***	●***	●***	●***	●***	●***	●***	●***
						●****	●****
		●***	●***	●***		●***	●***
●***	●***	●***	●***	●***	●***	●***	●***
●***	●***	●***	●***	●***	●***	●***	●***
						●***	●***
							●*
							●
				●			●
				●		●	●
		●	●	●		●	●
				●		●	●

\* ) requires Leica DST 360 / DST 360-X \*\* ) rectangular areas only \*\*\* ) 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

## From Darker Rooms to Bright Areas



### Leica DISTO™ D1

#### The Handy One

Compact and easy to use for indoor applications

#### 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.



### Leica DISTO™ D2

#### The Advanced One

For smart performance in indoor applications

#### Easy data transfer with NFC

NFC offers seamless connectivity with the DISTO™ Plan app, eliminating the need for pairing. Simply place your DISTO™ near the smartphone to transfer measurements. Data can also be transferred using Bluetooth®.

#### Smart Room – accurate floor plans

Effortlessly create scaled floor plans with the “Smart Room” function. Using advanced technology, it records distances and angles. The DISTO™ Plan app transforms this data into precise floor plans.

#### 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 errors.

#### Advanced functions

With a range of up-to 150 meters the inclination sensor for indirect measurements such as “Smart Horizontal Mode” and the possibility to recall the last 30 measurements it is perfect for indoor applications.



### Leica DISTO™ D2G

#### The High-Visibility One

For precise measurements in bright indoor environments

#### Green laser – enhanced visibility

The outstanding green laser technology offers best visibility with an exceptional range of up-to 120 meters. The green laser dot is four times more visible to the human eye than the red one, which is especially important in very bright environments.

#### 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 long distances or obstacles.

#### Error-free data transfer

Transfer measurements via NFC and Bluetooth® to your smartphone, avoiding costly typing errors. You can further streamline your work process by using our app DISTO™ Plan.

#### Useful functions

Smart features such as multifunctional end-piece with automatic detection, Smart Room function, inclination sensor for indirect measurements and the option to recall 30 results, ensures an efficient measurement process.

# Leica DISTO™ D5

## The Versatile One

For long distance measurements indoors and out



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™ X1

## The Robust One

For Tough Interior Construction Sites



The Leica DISTO™ X1 is a rugged and reliable laser distance meter that is ideal for simple distance, area and volume measurements on tough and dusty indoor construction sites.

### Reliable results with ease

The precise laser technology and extremely robust design ensures that the Leica DISTO™ X1 always delivers reliable measurement results. Measure distances of up to 100 m in seconds, without help from another person, by just pressing a button.

### Effortless connectivity with NFC

The Leica DISTO™ X1 connects effortlessly to the DISTO™ Plan app via NFC, eliminating the need for pairing. Simply place the device near your smartphone for instant data transfer, streamlining your workflow.

### Certified by ISO standard

Tested according to the ISO 16331-1, the Leica DISTO™ X1 achieves an excellent measurement performance not only in the test laboratory but, above all, on the construction site.



# Leica DISTO™ X3

## The Multi-Functional One

For efficient measuring on tough interior construction sites



The combination of rugged design and multi-functionality makes the Leica DISTO™ X3 perfect for 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

## The All-Rounder

For complex measurements made simple on any construction site



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.

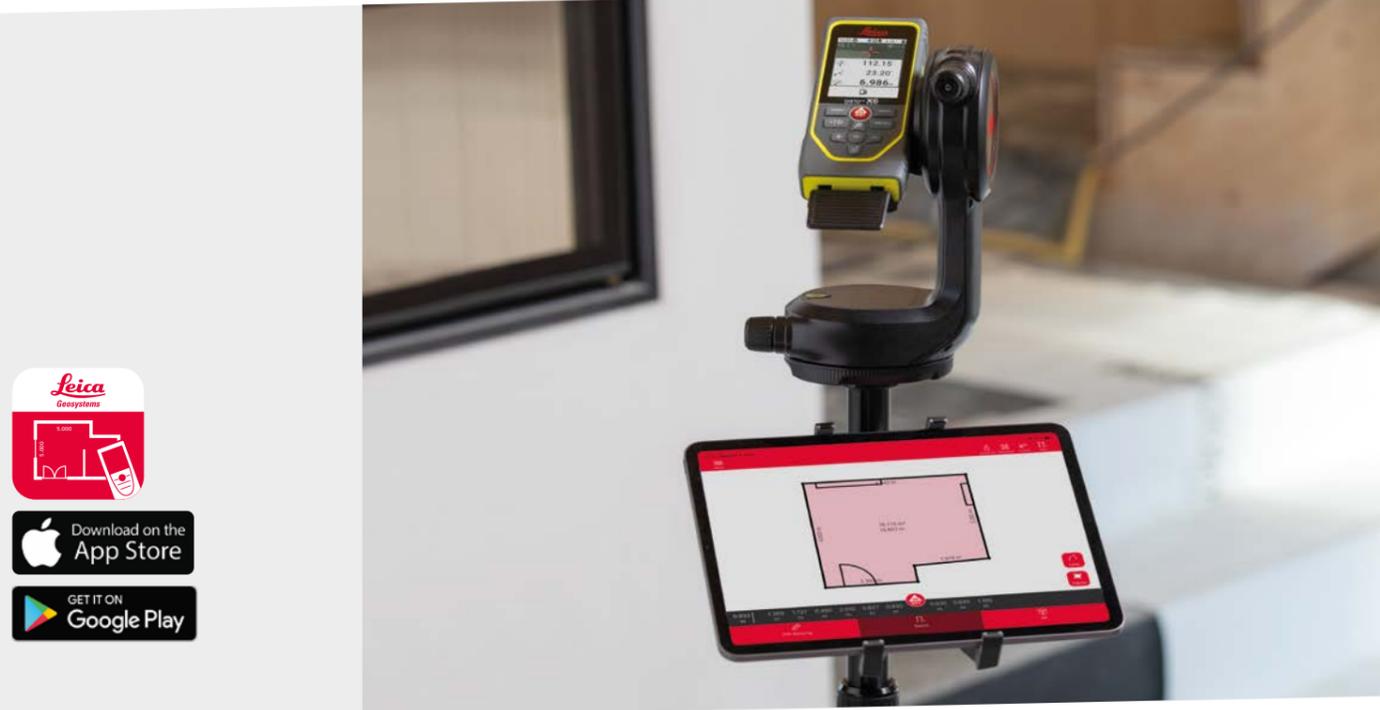
### Perfectly prepared for CAD applications

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. With the new Diagonals feature, you can verify the lengths and angles of your drawing. 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™ X6, D5, X3, D2G and D2 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)

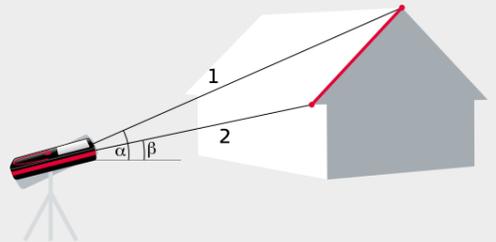
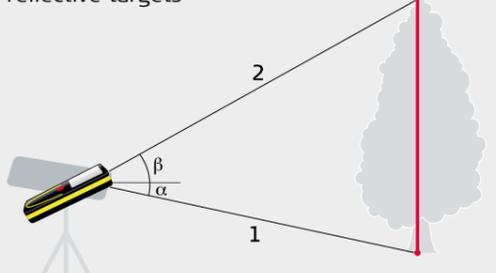
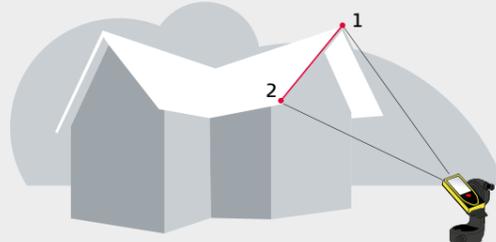
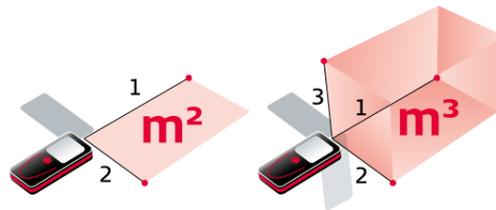
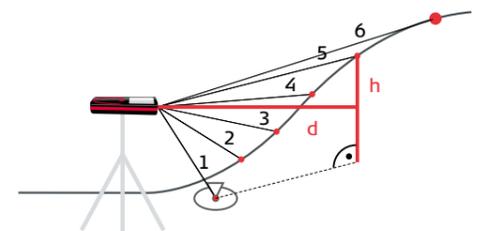
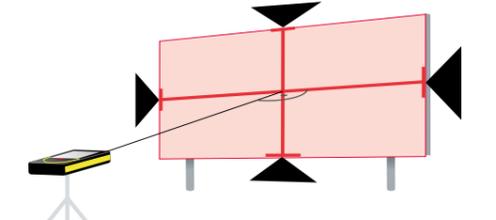
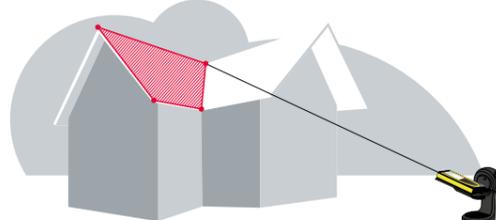
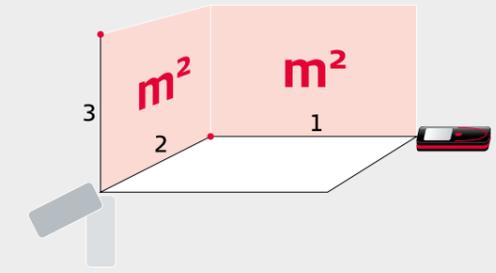
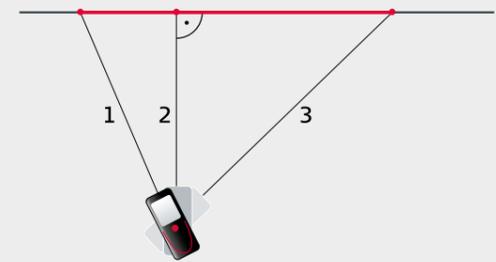
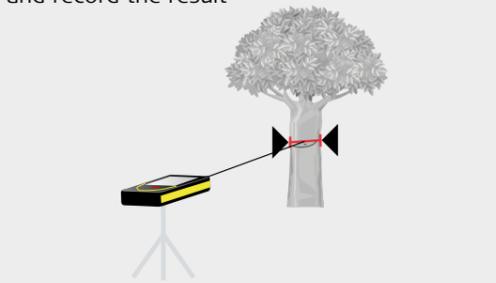
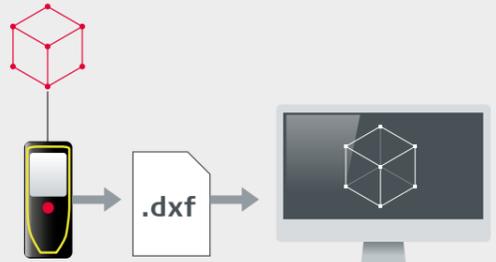
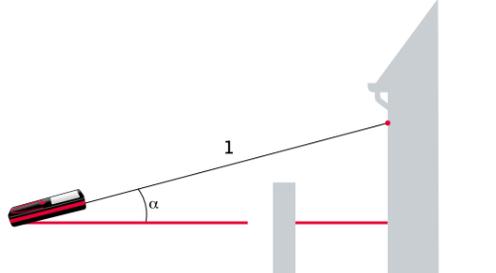
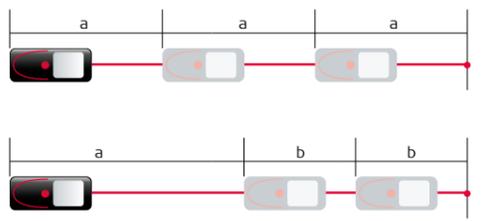
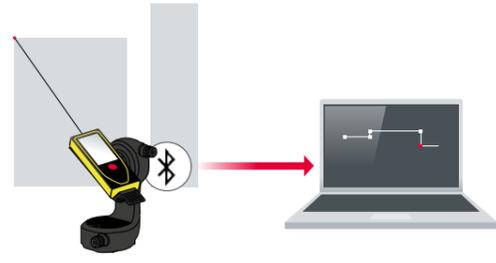


## Apps made for Leica DISTO™

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.

# Any Measurements are Possible

## The Optimal Function for Every Situation

 <p><b>Triggering measurements with gestures</b> No shaking of the DISTO™ for maximum accuracy</p> 	 <p><b>Sloped object measurement</b> Inclination and distance measurement between two points</p> 	 <p><b>Height tracking</b> Measure heights without reflective targets</p> 	 <p><b>Point to Point Measurement</b> Measure anything from anywhere</p> 
 <p><b>Area and volume measurements</b> Instant area &amp; volume calculations – no manual input!</p> 	 <p><b>Height profile measurements</b> Easy solution to create a ground profile</p> 	 <p><b>Measuring widths, heights and areas</b> Determine width, height and area with just one measurement</p> 	 <p><b>Smart Area Measurement</b> Measure easily complex floors, walls, ceilings or inclined roof areas</p> 
 <p><b>Painter function</b> Effortless calculation of wall area with just a few clicks</p> 	 <p><b>Pythagoras functions</b> Measure horizontal, vertical or partial heights without a ladder</p> 	 <p><b>Diameter measurement</b> Measure, mark the diameter and record the result</p> 	 <p><b>Data capture in dxf files</b> Save points in 2D or 3D DXF-files for further use in CAD software</p> 
 <p><b>Smart Horizontal Mode</b> Precise horizontal measurements, even over long distances</p> 	 <p><b>Stake-out function</b> Precise distance tracking with audio guidance</p> 	 <p><b>Keyboard mode</b> Send values straight into your spreadsheet</p> 	 <p><b>Point data transfer</b> Realtime data transfer into your preferred CAD software</p> 

## 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 26-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
<b>General important aspects</b>	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				
<b>Horizontal</b>	Alignment	(●)	●	●	●	●
	Transferring heights	(●)	●	●	●	●
	Fine adjustment for e.g. suspended ceilings		●*	●*	●*	●*
<b>Vertical</b>	Alignment	(●)	●	●	●	●
	Fine adjustment manual					
<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	●	●	●	●	●
	Easiest setup to adapter with magnets	●	●	●	●	●
	Range extension with receiver		●	●	●	●

\* ) UAL 130 accessory required

\*\* ) Li-Ion accessory required



	L6R	L6G
		●
25 m		35 m
± 0.2 mm/m		± 0.2 mm/m
	●	●
	●	●
	●*	●*
	●	●
	●	●
	(●)	(●)
	●	●
	●	●
	●**	●
	●**	●
	●	●
	●	●
	●	●

## Leica Lino L6G

### Best green visibility of 360° laser lines

The Leica Lino L6G is the most versatile across its range. It covers many different applications with its multi-line projection. 3 x 360° green lines makes the marking of 90° anywhere in a room an easy and simple task.

#### High-performance laser diodes for outstanding visibility

Green lasers are up to 4x more visible to the human eye than red ones, delivering superior clarity across working distances of up to 35 meters. That means less repositioning, faster progress, and maximum efficiency on site.

#### Li-Ion: A complete workday on a single charge

The long-life Li-Ion batteries allow you to work uninterrupted for up to 11 hours. "Always ready to work". In case you forgot to charge the Li-Ion batteries you can easily replace them with standard Alkaline batteries.

#### Precise alignment made easy

The integrated fine adjustment around the plumb point on the Lino L6 allows for fast, accurate setup - saving time, money, and frustration. With a wide adjustment range of ±10° around the plumb point, positioning is both flexible and precise.

#### Adjustable visibility for longer runtime

Laser brightness can be reduced to 75% or 50%, saving battery power and extending operating time.

Your preferred line and visibility settings can be saved, so you can pick up right where you left off - no time lost, just seamless productivity.



# 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.

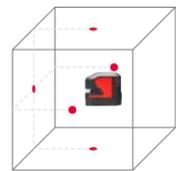
### Rugged design

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.

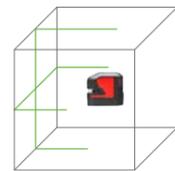
 **Best visibility**  
Green Laser



### Lino P5

#### Right to the point!

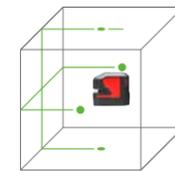
Forget about plumb bobs, string lines and spirit levels! The Leica Lino P5 point laser is practical and simple to operate. Just one button is needed for all its applications. It quickly and accurately projects all the points you need which makes it an efficient solution for professional plumbing and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



### Lino L2G

#### Visibility on a new level

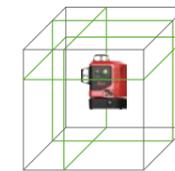
The Leica Lino L2G cross line laser projects highly visible lines at the correct angles to one another. Its new laser uses the latest green laser technology which makes lines even more visible and clear. As a result, this laser will make it easier for you to see your reference lines, even in extreme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

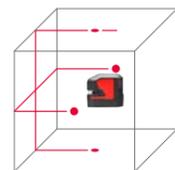
The Leica Lino L6G is equipped with green Ultra-power laser diodes. Its thin, crisp and clearly visible green laser lines are ideal for bright and large work environments. The laser's vertical lines are easily adjusted once the plumb point (cross-section of two vertical lines), which is located outside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



### Lino L2

#### You can rely on its sharp lines

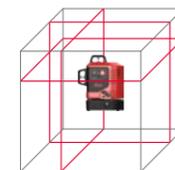
Time-consuming and tedious drawing of lines on walls is a thing of the past. The Leica Lino L2 projects them exactly, quickly and easily while you concentrate on the job in hand. The increased laser power enhances line visibility and improves the efficiency of interior work.



### 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.

# Leica DISTO™ and Lino

## Original accessories

DISTO™ ● Lino ●

### 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. 983 878 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. 848783 adapter DST 360 for DISTO X3, TRI 120 tripod, rugged case Art. No. 946 095 adapter DST 360-X for DISTO™ X6 Art. No. 6 018 772 adapter DST 360-X for DISTO™ X6, TRI 120 tripod, GZM 3 target plate, charger, metaBOX

#### 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

#### 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 groundmarks. 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 RGR 300-D ●



Digital line laser receiver with millimetre / inch read-outs, illuminated LCD displays and built-in magnets. Extended range up to 80 m, IP65 rating for tough sites. Compatible with any red and green lasers in our portfolio. Art. No. 1 017 990

### 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 10G ●●



Green laser glasses for improved visibility of laser lines and dots in bright rooms and outdoors up to 15 m. 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	D2	D2G	D5
Art. No.	843 418	986858	1017808	950908
Packaging solution Art. No.				950879 (incl. FTA 360, TRI 75 and metaBOX)
Typ. distance measuring accuracy (ISO 16331-1)	± 2.0 mm	± 1.5 mm	± 1.5 mm	± 1.0 mm
Range (ISO 16331-1)	0.2 up to 40 m	0.05 up to 150 m	0.05 up to 120 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, 100 m / 6, 30, 60 mm	10, 50, 100 m / 6, 30, 60 mm	10, 50, 100 m / 6, 30, 60 mm
Laser type	635 nm/class 2	635 nm/class 2	518 nm/class 2	635 nm/class 2
Tilt sensor		●	●	●
Tilt sensor accuracy to the housing		± 0.2 °	± 0.2 °	± 0.2 °
Units in the tilt sensor		0.0 °	0.0 °	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				JPG
CAD data format on device				DXF, CSV
Memory for CAD files on device				up to 1 000 points
Memory for last measurements		30	30	50
Memory for reports				300
Display illumination	●	●	●	●
Free software for Windows	●	●	●	●
App for iOS and Android	●	●	●	●
Smart Room support		●	●	●
Wireless interface	Bluetooth® 4.2	Bluetooth® 6.0 NFC	Bluetooth® 6.0 NFC	Bluetooth® 5
USB-C connector for charging and download				● (charging only)
Measurements per set of batteries	up to 10,000**	up to 7'000 **	up to 5'000 **	up to 5,000**
Service life of batteries	up to 20 h**	up to 14 h **	up to 10 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 x 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	127 × 50.5 × 24.5 mm	127 × 50.5 × 24.5 mm	144 × 60 × 24 mm
Weight with batteries	87 g	116 g	116 g	180 g

	X1	X3	X6
	986859	833 800	950 909
			950 878 (incl. DST 360-X, TRI 120 and metaBOX)
	± 1.5 mm	± 1.0 mm	± 1.0 mm
	0.05 up to 100 m	0.05 up to 150 m	0.05 up to 250 m
	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
	635 nm/class 2	635 nm/class 2	635 nm/class 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® 6.0 NFC	Bluetooth® 4.2	Bluetooth® 5
			●
	up to 7'000 **	up to 4,000**	up to 4,000**
	up to 14 h **	up to 8 h**	up to 8 h**
		●	●
		●	●
		1/4"	1/4"
	Type AAA 2 x 1.5 V	type AA 2 × 1.5 V	Li-Ion
			3 h
	IP65	IP65	IP65
	●	●	●
	125 × 53.5 × 25.5 mm	132 × 56 × 29 mm	155 × 68 × 25 mm
	129 g	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. 983 878 inlay  
Art. No. 979 673 mounting plate for metaBOX  
Art. No. 979 672 adapter plate for other systems



For DISTO™ D2G with green laser



For all DISTO™ devices with red laser

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

# Technical data

Technical data	P5	L2s	L2	L2Gs	L2G
Art. No.	864427	848435	864413	912932	864420
Range*	30 m	25 m		35 m	
Range with laser receiver*		80 m		80 m	
Levelling accuracy	± 0.2 mm/m	± 0.2 mm/m		± 0.2 mm/m	
Self-levelling range	± 4°	± 4°		± 4°	
# of laser dots	5				
# of laser lines		2		2	
Beam direction	up, down, forward, right, left	vertical, horizontal		vertical, horizontal	
Dot accuracy	± 0.2 mm / m				
Horizontal line accuracy		± 0.3 mm/m		± 0.3 mm/m	
Vertical line accuracy		± 0.3 mm/m		± 0.3 mm/m	
Laser type	635 nm/class 2	635 nm/class 2		525 nm/class 2	
Battery type	AA 3 x 1.5 V	AA 3 x 1.5 V	Li-Ion rechargeable (or AA 3 x 1.5 V)	AA 3 x 1.5 V	Li-Ion rechargeable (or AA 3 x 1.5 V)
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)
Protection class	IP54	IP54	IP54	IP54	IP54
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
Weight with batteries	495 g	500 g	530 g	500 g	530 g
Tripod thread	1/4"	1/4"	1/4"	1/4"	1/4"
Scope of delivery	Lino P5, TWIST 360, Alkaline battery tray, batteries, target plate, hard case	Lino L2, TWIST 250, Alkaline battery tray, batteries, target plate, soft pouch	Lino L2, TWIST 250, Li-Ion battery pack, charger, Alkaline battery tray, target plate, hard case	Lino L2G, TWIST 250, Alkaline battery tray, batteries, target plate, soft pouch	Lino L2G, TWIST 250, UAL 130, Li-Ion battery pack, charger, Alkaline battery tray, target plate, hard case

Technical data receiver	RGR 200	RGR 300-D
Art. No.	866090	1017990
Function	locating red and green laser lines	locating red and green laser lines
Digital read-out in mm / in.	no	yes
Working range*	2 - 80 m	2-80 m
Accuracy (switchable)	± 1 mm / ± 3 mm	± 0.5 mm / ± 2.0 mm / ± 5.0 mm
Accuracy channels	2	3
Detection window	85 mm	85 mm
Digital detection window		60 mm
Detectable spectrum	635 nm ± 5 nm red, 525 nm ± 5 nm green	635 nm ± 5 nm red, 525 nm ± 5 nm green
Automatic shut-off	30 min.	30 min.
Number of displays	2	2
Illuminated display	front and back side	front and back side
Fixing magnets	yes	yes
Acoustic signal (switchable)	100 dB, 80 dB, 0 db	90 dB, 70 dB, 0 db
Battery type/life	AA 2 x 1.5 V/40 h	AA 2 x 1.5 V/40 h
Protection class	IP65	IP65
Dimensions	158 x 73 x 26 mm	158 x 73 x 26 mm
Weight with batteries	250 g	265 g
Scope of delivery	RGR 200, tough receiver bracket, batteries	RGR 300-D, tough receiver bracket, batteries

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



For Linos with green laser



For Linos with red laser

L2P5	L2P5G	L6Rs	L6Gs	L6G
864431	864435	918976	918977	912971
25 m	35 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°	± 4°	± 4°		± 4°
4	4			
2	2	3 x 360°		3 x 360°
vertical, horizontal, up, down, right, left	vertical, horizontal, up, down, right, left	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	± 0.3 mm/m	± 0.3 mm/m		± 0.3 mm/m
± 0.3 mm/m	± 0.3 mm/m	± 0.3 mm/m		± 0.3 mm/m
635 nm/class 2	525 nm/class 2	635 nm/class 2		525 nm/class 2
Li-Ion rechargeable (or AA 3 x 1.5 V)	Li-Ion rechargeable (or AA 3 x 1.5 V)	AA 3 x 1.5 V		Li-Ion rechargeable (or AA 3 x 1.5 V)
up to 44 h (Li-Ion)	up to 28 h (Li-Ion)	up to 25 h (AA)		up to 11 h (Li-Ion)
IP54	IP54	IP54		IP54
110 x 60 x 100 mm	110 x 60 x 100 mm	124 x 107 x 154 mm		124 x 107 x 154 mm
530 g	530 g	781 g		781 g
1/4"	1/4"	1/4"		1/4"
Lino L2P5, TWIST 360, Li-Ion battery pack, charger, Alkaline battery tray, target plate, hard case	Lino L2P5G, TWIST 360, UAL 130, Li-Ion battery pack, charger, Alkaline battery tray, target plate, hard case	Lino L6R, Alkaline battery tray, target plate, soft pouch		Lino L6G, Li-Ion battery pack, charger, Alkaline battery tray, target plate, soft pouch



## Helpful tips & tricks

At [www.disto.com/e-learning](http://www.disto.com/e-learning) you will find numerous how-to-videos, case studies and tutorials showing various applications and functions. Learn how to use your Leica DISTO™ or Lino even more efficiently.



## Access to our knowledge database

Should a problem occur with your Leica DISTO™ or Lino, you will find numerous articles with helpful information at [www.disto.com/support](http://www.disto.com/support) free of charge and without registration to solve your problem quickly and easily.