



Measure. Level. Align. Detect.  
Inside and Out.



- when it has to be **right**



# Leica DISTO™ Family

## True originals: Our laser distance meters

Using a Leica Geosystems DISTO™ you can measure distances, areas, volumes, tilts and much more, anywhere. Quick, simple and completely spot-on without the help of another person. Saving you valuable time and unnecessary costs.

Proven Leica optics and Power Range Technology™ ensure the highest precision. You can measure distances up to 650 ft with pinpoint accuracy.

Even distances in difficult to reach places can be captured quickly and easily, in just a few seconds. No need for risky methods of working that could lead to accidents.



**Leica DISTO™ D1** Part # 846805  
**Handy, simple, precise!**

At the touch of a button the Leica DISTO™ D1 measures heights, distances as well as niches quickly and reliably.

- Bluetooth® Smart for data transfer to smart phones and tablets
- Free App Leica DISTO™ Plan
- 130' range
- XRange Power Technology
- Clear, illuminated 3 line display



**Leica DISTO™ D2** Part # 838725  
**Compact Device – Outstanding Range**

### Leica's solution to reduce time and costs.

Just press a button to measure distances, calculate square areas and volumes – fast, easy and precise.

- Longest range in class – up to 330'
- Accuracy:  $\pm 1/16''$
- Bluetooth® Smart
- Automatic end-piece detection
- Area, Volume, Wall-area, Perimeter
- Pythagoras, Stake-out, Last 10 measurement memory
- Large illuminated 3-line display
- Send data to your Smartphone or tablet

Free App  
Leica DISTO™ Plan



**Leica DISTO™ D810 touch** Part # 799097  
The smartest solution to measuring and documenting

### Simply touch it.

Measure with the picture! The Leica DISTO™ D810 touch is the world's first laser distance meter with a revolutionary "measure with a picture" feature using the integrated camera. With only one measurement you can read-out height, width, area and diameter of objects.

- Large touch screen for quick intuitive operation
- Measure with a picture
- Image Download via USB
- 650ft Range,  $\pm 1/16''$  accuracy
- 0.1 degree accuracy tilt sensor for high accuracy vertical measurements
- Bluetooth 4.0 Smart (works with iOS and Windows hardware/software supporting Bluetooth 4.0 Smart Ready)

Free App  
Leica DISTO™ Plan



**Leica DISTO™ E7100i** Part # 812806  
The first pocket-sized laser distance meter with Bluetooth®

The simple four-button interface puts distance measurement and area measurement at your fingertips. Hit the Bluetooth button to synch up the free Leica DISTO Plan App on a mobile device and capture measurements in real time as you take them. When your done, the app creates a PDF with your measurements laid over a diagram or a photo.

- Professional laser measurement tool with Bluetooth for less than \$150.
- Easily send accurate room measurements to your mobile device.
- Use the DISTO Plan App to create and share floorplans.
- Four button simplicity.

Free App  
Leica DISTO™ Plan





**Leica DISTO™ X3** Part # 850834  
Rugged design for tough conditions

- Water jet and dust protected to IP 65 standards
- 2m drop tested
- Solid rubber housing
- End-piece XL
- Bluetooth® Smart – document and visualise
- Stake-out – a well known function re-invented
- Create sketches, plans and document your measurements on your smartphone or tablet automatically when taking measurements



**Leica DISTO™ X4** Part # 855138  
Outdoor measuring with a digital Pointfinder

- Water jet and dust protected to IP 65 standards
- 2m drop tested
- Solid rubber housing
- End-piece XL
- Bluetooth® Smart – document and visualise
- Stake-out – a well known function re-invented
- Create sketches, plans and document your measurements on your smartphone or tablet automatically when taking measurements



**New App – Leica DISTO™ Plan**

New Leica DISTO™ technologies in combination with the Smart Room function of the Leica DISTO™ Plan app allow you to quickly create scaled floor plans on your smartphone or tablet.



**Leica DST 360** Part # 848783

The Leica DST 360 transforms your DISTO™ X3 or X4 and-hand laser device into a measurement station. It allows you to measure distances between any two points from one position.

**Leica TRI 120 Tripod** Part # 848788

In a carton box.



**Leica DISTO™ E7500i** Part # 792320  
Reliable Outdoor Functionality

Simple and Precise Targeting - Pointfinder with 4X Zoom  
With the integrated digital Pointfinder, the Leica DISTO™ E7500i easily and accurately takes measurements in unfavorable light conditions. Ask anyone who has tried to measure outdoors on a sunny day – this function is priceless. Even when the laser point is no longer visible to the naked eye, the target can be seen perfectly in the crosshairs of the display.

- Color Pointfinder display with 4x zoom
- IP65 water jet protection and dust-tight
- 360° tilt sensor
- Smart Horizontal Mode™
- Height tracking\*
- Bluetooth® Smart\*
- Free App – Leica DISTO™ Plan\*
- Onboard help key



**Free App – Leica DISTO™ Plan\***

Measurement data can be transferred using the Bluetooth® Smart Technology. The free app Leica DISTO™ Plan supports the creation of ground plans or tables on iPhone, iPad and Android supporting BT 4.0. Dimensions can also be entered onto photographs.

Tech Data	Part #	Accuracy	Tilt	Range	Size	Weight	Protection	ISO Rating	Bluetooth
D1	846805	~ 1/16", ±1.5 mm		0.60" to 130'	4.5" x 1.7" x .92"	3.53 oz.	IP54	ISO 16331-1	4.0
D2	838725	~ 1/16", ±1.5 mm		1.97" to 328'	4.6" x 1.7" x 1.02"	3.53 oz.	IP54	ISO 16331-1	4.0
D810	799097	~ 1/16", ±1 mm	360°	1.6" to 650'	6.45" x 2.4" x 1.22"	8.5 oz.	IP54	ISO 16331-1	4.0
E7100i	812806	~ 1/16", ±1.5 mm		1.6" to 200'	4.72 x 1.46 x 0.91	3.25 oz.	IP54	ISO 16331-1	4.0
X3	850834	~ 1/16", ±1 mm	360°	1.6" to 492'	5.2" x 2.2" x 1.14"	6.49 oz.	IP65	ISO 16331-1	4.0
X4	855138	~ 1/16", ±1 mm	360°	1.6" to 492'	5.2" x 2.2" x 1.14"	6.49 oz.	IP65	ISO 16331-1	4.0
E7500i	792320	~ 1/16", ±1 mm	360°	1.6" to 660'	5.6" x 2.3" x 1.1"	7.00 oz.	IP65	ISO 16331-1	4.0

\* In accordance with ISO 16331-1. See DISTO manual or Leica website for complete specifications.





Shown with optional accessories



**Leica DISTO™ S910** Part # 887900 (Pro Kit)  
Measure anything from anywhere

Get more done, faster. The Leica DISTO™ S910 is the first handheld 3D measuring device where you can create plans right in the device itself. For more complex buildings you can also use it together with a computer and send the data right into the CAD system.

- Measure the distance between any two points
- Measure any area by just measuring its corners
- New tripod adapter for precise aiming FTA360S
- Create a CAD file right on your DISTO™
- Send point data right into your CAD system
- Bluetooth® Smart
- Range: up to 984'
- Onboard help key



Measure Point to Point



Smart Area Function



Measure Complex Shapes



Point Data Transmission



### New Improved Software!

**Leica 3D DISTO™** Part # 844692  
Three dimensions – one solution

The Leica 3D Disto is a robust, precisely manufactured measuring instrument. A highly accurate combination of distance and angle measurements determine the precise position of each point targeted with the integral camera and captured with the laser beam. In short: the Leica 3D Disto detects the location and the height of the target point.

- New software shows measurements in 3D
- Measure from one station – every visible point can be measured by targeting with the visible laser dot – without the need to walk to the target
- Measure to difficult-to-reach points, such as roof edges
- As-built records of ceiling, floor and roof surfaces, volumes, inclination, falls, height differences, angles
- Plumbing of points, parallel offsetting of axis, levelling, transferring levels from wall to wall. Forget spirit level and measuring tapes!
- Realtime, 3D display of measurements on the tablet screen as a job is being measured
- Positionally accurate representation of the measured points in the camera display
- Data import and export on PC and USB stick



Technical Data	Part #	Accuracy	Tilt	Range	Size	Weight	Protection	ISO Rating
S910	887900	1/16" / 1 mm	360°	2" to 984'	6.45" x 2.4" x 1.22"	9. oz.	IP54	ISO 16331-1

Technical Data	Part #	Accuracy	Tilt	Range	Size	Weight	Protection	ISO Rating
3D DISTO	844692	1/8" @ 100'	H 360° / V 250°	1.65' to 165'	7.4" x 8.5"	6.2 lbs.	IP54	ISO 16331-1

# Leica Lino Family



## The accurate, self-levelling point and line lasers

With Leica Linos everything is plumb and perfectly aligned. Leica Linos project lines or points with absolute precision. The time-consuming and tedious techniques of drawing lines and marking points are things of the past.

- **Self-levelling:** Leica Linos automatically compensate for minor angular misalignments by levelling themselves over a range of  $\pm 4^\circ$ . So you can avoid errors.
- **Proven optics:** Top quality optics and proven Power Range Technology™ ensure that the projected laser lines and points are highly visible and accurate.
- **Simple operation:** With only two buttons, Leica Linos are simple and intuitive to use.
- **Pendulum Lock**



**Leica Lino L4P1 pack** Part # 834838  
the most powerful multi line laser

The Leica Lino L4P1 is our latest and most powerful multi line laser, which supports efficient and quick workflows for dry wall installers, tilers and many other interior trades. Its innovative and unique power concept and its versatility makes it the first choice.

- Precision: 360° rotation base with fine adjustment
- Innovative Li-Ion power: 24 h battery life on a single charge
- Versatility: Only one device needed for all interior applications



Technical Data	P5	L2	L2S	L2P5	L2G	L2P5G	L4P1
Part #	864427	864413	848435	864431	864420	864435	834838
Measuring range	98'	82'	82'	82'	115'	115'	49'
Range with detector	N/A	262'	262'	262'	262'	262'	262'
Levelling accuracy	$\pm 0.002''/'$	$\pm 0.002''/'$	$\pm 0.002''/'$	$\pm 0.002''/'$	$\pm 0.002''/'$	$\pm 0.002''/'$	$\pm 0.002''/'$
Self-levelling range	$\pm 4^\circ$	$\pm 4^\circ$	$\pm 4^\circ$	$\pm 4^\circ$	$\pm 4^\circ$	$\pm 4^\circ$	$\pm 3^\circ$
Number of points	5	N/A	N/A	4	N/A	4	1
Lines	N/A	2	2	2	2	2	4

## One powerful new platform



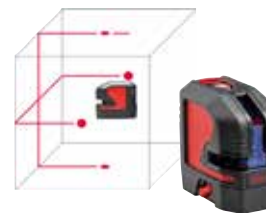
**Leica Lino P5** Part # 864427

The Leica Lino P5 point laser is very easy to use. At the push of a button, it accurately projects five reference points at exact right angles to one another.



**Leica Lino L2** Part # 864413

The high-precision optics of the Leica Lino L2 ensure outstanding laser line visibility up to 82 feet, depending on lighting conditions. Its exceptionally long horizontal and vertical laser lines are projected to floors, walls and ceilings at more than 180 degrees.



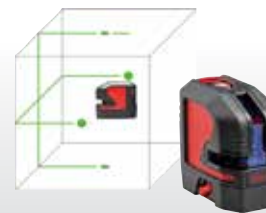
**Leica Lino L2P5** Part # 864431

The Leica Lino L2P5 is a self-levelling cross-line and point laser. This Lino is ideal for alignment tasks such as tiling, drywalling, partitioning and electrical installations as well as plumb point projection, setting out or transferring measured points.



**Leica Lino L2G** Part # 864420

Leica's latest green laser technology brings laser line visibility and clarity to the highest level. Green reference lines are easily seen in difficult lighting conditions and over long distances.



**Leica Lino L2P5G** Part # 864435

The Leica Lino L2P5G uses the best green laser technology and combines it with the functionalities of a cross line laser and a point laser. Its green laser beams and points are up to four times more visible to the human eye compared to red ones, which makes it the ideal tool for bright environments and large rooms.

### NEW Leica Lino Accessories

**Leica Twist 250**  
Part # 866133



**Leica Twist 360**  
Part # 866130



**Leica UAL 130**  
Part # 866131



**Leica RGR 200 Receiver**  
Part # 866090



# Leica NA300/500/700 Series

Automatic Levels – Reliable levels for your site



- Quick and easy measurements
- Unique design and highest quality of results for levelling needs
- Manufactured for the most rugged sites and the harshest conditions
- Protected shape for increased ergonomic handling while ensuring the highest quality results
- Simple handling for quick and accurate measurements
- Distinctive design and proven technology, inside and out

Technical data	NA320/324/332	NA520/524/532	NA720/724/730 plus
Magnification	20x, 24x, 32x	20x, 24x, 32x	20x, 24x, 28x, 30x
Standard deviation (per 1 km double levelling)	.098", .079", .071"	.098", .075", .063"	.098", .079", .059", .047", .028"
Measuring angle	360°	360°	360°
Spray proof / dust protected	IP54	IP54	IP57

# Leica Piper 100/200

Rugged – solid cast aluminum housing fits into a 4" pipe

The Leica Geosystems Piper Series pipe lasers are perfect for storm and sanitary sewer construction, gravity flow pipe lining, and anywhere grade and line are required with a single beam.

- Grade checking in all gravity flow pipe
- Gravity flow pipe lining
- Sanitary sewers
- Storm sewers
- Culverts



Technical Data	Working Range	Grade Range	Self Leveling Range	Size	Weight	Protection	Battery Life
100/200	650'	-10% to +25%	-15% to +30%	3.8" Dia.	4.4 lbs	IP68	40 hours

# Leica Rugby 600 Series

Your reliable team player on site

Leica Rugby lasers are the toughest rotating lasers suitable for all construction applications. Level, align and square much quicker than ever before, eliminating costly errors and downtime.

- Simple and reliable
- Choice of Alkaline or Li-Ion batteries
- 3-year warranty
- Protection class IP67



Technical Data	Rugby 610	Rugby 620	Rugby 640	Rugby 640G	Rugby 680
Product type	General const.	General const.	Multipurpose/H.V.	Multipurpose/H.V.	Semi-auto grade
Laser class	Class 2	Class 2	Class 2	Class 2	Class 2
Functionality	Self-leveling horizontal, one button laser	Self-leveling horizontal & manual slope in one axis	Self-leveling horiz. & vert. 90° and manual slope in dual axis	Self-leveling horiz. & vert. 90° and manual slope in dual axis	Self-leveling horiz. dial-in grade in dual axis
Accuracy	± 3/32" @ 100'	± 1/16" @ 100'	± 1/16" @ 100'	± 1/16" @ 100'	± 1/16" @ 100'
Grade range	-	-	-	-	± 8% DG
Smart slope	-	-	-	-	Yes
Rotation - RPS	10	10	0, 2, 5, 10	0, 2, 5, 10	10
Range dia. RE 120	1,650'	2,000'	1,650'	1,650'	2,000'
Range dia. RE140/160	3,600'	3,600'	3,600'	3,600'	3,600'

Rugby 600 models are available with 3 receiver options



Technical Data	Rod Eye 120	Rod Eye 140 Classic	Rod Eye 160 Digital
Detection window	3"	5"	5"
Detectable spectrum	600nm to 800nm	600nm to 800nm	600nm to 800nm
Numeric readout height	-	-	3.5"
Detection accuracies			
Very fine	-	-	± 0.02"
Fine	± 0.04"	± 0.04"	± 0.04"
Medium	-	± 0.08"	± 0.08"
Coarse	± 0.12"	± 0.12"	± 0.12"
Very coarse	-	-	± 0.20"



# Leica Locators

## Leica DD100 Series Locators

The Leica DD100 series locators reduce the complexity normally associated with locating of buried utilities. The DD100 series automated pinpointing process improves the detection of utilities, reduces utility damage and increases workforce safety

## Leica DD SMART Utility Locators

The Leica DD SMART utility locators and DX Shield software open the door to a connected world, anywhere, anytime. Leica DD SMART utility locators detect underground assets deeper, faster and more accurately. The DD SMART utility locators are scalable and designed with onboard memory, GPS and Bluetooth technology. Connect and download data stored in the DD SMART utility locators' internal memory, including GPS positioning and transfer it back to the DX Shield software for analysis.



Leica DA220 Signal Transmitter



Leica DD120

For construction professionals who need to understand what is beneath their sites.



Leica DD130

For construction professionals who need to accurately locate and trace buried utilities.



Leica DD220

Easy to use SMART utility locator, simplifying the detection of buried utilities.



Leica DD230

Intuitive SMART utility locator combines enhanced trace capabilities with greater detection accuracy.

Technical Data	DD120	DD130	DD220	DD230
Frequency / Mode	Power mode 50 Hz or 60 Hz, Radio mode 15 kHz to 60 kHz, Transmitter mode 8 kHz and 33 kHz, Auto mode = Power + Radio mode			
Depth Range	Line: 1' - 10' Sonde: 1' - 10'	Line: 1' - 10' Sonde: 1' - 32.7'	Line: 4" - 16.4' Sonde: 4" - 23'	Line: 4" - 23' Sonde: 4" - 32.8'
Protection	Conforms to IP54		Conforms to IP66	
Battery life	15 hours		20 hours	
Depth accuracy	10%	10%	5%	5%
Bluetooth® GPS & GIS	Not available	Not available	enabled	enabled
Memory size	Not available	Not available	8 GB memory	8 GB memory

# Leica Detection and Mapping

A utility map shows the positioning and identification of buried pipes and cables beneath the ground. Combine mapping process with a topographical survey and the results will provide you with a comprehensive detailed map of utilities.



## Leica DSX

Quickly and easily avoid, locate and map underground utilities with the new Leica DSX ground penetrating radar (GPR) solution. Unlike other GPR solutions, users do not require expertise in interpreting raw radar data. The DSX uses a smart algorithm in DXplore software to accurately field generate 3D utility maps on the tablet within minutes. No more waiting days for post processing! Optional integration of GPS/GNSS for mapping, with easily exported data in PDF and DXF formats. Additional integration with Leica MC1 machine control software aids excavating contractors in avoiding utility strikes using real time avoidance signals aboard excavators outfitted with Leica machine control systems.



## Leica DS2000

The Leica DS2000 is a dual frequency utility detection radar which finds all potential utilities, both deep and shallow, including non-conductive pipes and fibre optics. Easily collect, store and export data for additional post processing in the office. The perfect system for users with previous experience using ground penetrating radar (GPR).



# Recommended original accessories

## Always perfectly equipped for your application

Leica Geosystems offers a comprehensive selection of accessories which you can use to adapt your laser distance meters and levels ergonomically to suit your respective task.

### DA Accessories



**DA220 Signal Transmitter** 1 watt (Part # 850272) or 3 watts (Part # 850273) when connected to a utility with output frequencies of 8kHz, 33kHz, 131kHz

**DA230 Signal Transmitter** 1 watt (Part # 850274) or 3 watts (Part # 850275) when connected to a utility with output frequencies of 512Hz, 640Hz, 8kHz, 33kHz, 131kHz

**Trace Rod** 165' (Part # 850278) or 263' (Part # 850279) enables the complete a length of non-conductive drains, duct or pipe to be traced when used in conjunction with a DA series transmitters.

**Transmitter Clamp** 4" (Part # 850280) or 3.15" (Part # 850281) clamp, used in conjunction with the DA series transmitters and Locator to trace the route of buried utilities such as Telecom cable, Power cables and pipes.

**Sondes** - used to trace drains, sewers and other non-conductive utilities (part #s 850288, 850289, 850290, 850291, 856131)

### Laser detector

**RVL80 Laser Receiver**  
Part # 838757  
Laser receiver with clamp

### Tripods



**Tri70 Flat-head Tripod** Part # 794963  
The small and handy tripod for everyday use. Stable and turnable headplate with 1/4 - 20 threads. Perfect for the LINO series or in conjunction with the TA360, FTA360, FTA360S and your DISTO.

**Tri100 Articulating-head Tripod** Part # 757938  
High quality tripod with 1/4-20 thread mounting plate and articulating elevator head for height adjustments. For use with Leica Disto models that incorporate a tripod mounting thread

**Tri200 Flat-head Tripod** Part # 828426  
The TRI 200 is a surveyor style tripod that is more stable and durable than the standard issue TRI70. This package is for professionals that frequently measure on uneven grade, in rugged environments and in the elements.

**CTP104 Aluminium tripod** Part # 767710  
Light tripod with shoulder strap and side clamp screws for Leica Jogger 20/24, Sprinter 50, Roteo and Rugby

**CTP104D-1 Dome-head tripod** Part # 790226  
Dome-head light tripod with shoulder strap and side clamp screws. 5/8 x 11 fixing screw with hook for plumb bob

### Target plates



**GZM3 Target plate**  
Part # 820943  
For 3D DISTO™ and DISTO™ S910

**GZM26 Target plate, DIN A4**  
Part # 723385  
8.25" x 11.5", white side for shorter distances, brown side for longer distances, for all Leica DISTOs™

**GZM27 Target plate set**  
Part # 723774  
5.75" x 3.85" stick-on with kneading adhesive, for all Leica DISTOs™

**GZM30 Target plate set**  
Part # 766560  
7.75" x 10.75" for setting-up on floor marks, for all Leica DISTOs™

### More practical accessories



**Red Laser glasses**  
Part # 780117  
Red laser glasses for improved visibility of red lasers

**LSA360-S Adapter**  
Part # 838704  
Designed specifically for the S910, D810 touch, D510, D410. The adapter mounts to a typical survey range pole with diameters from 0.45" - 1.35").

**TSA360-S Adapter**  
Part # 828414  
High precision tripod adapter for the Leica DISTO™ S910

**LINO wall mount bracket**  
Part # 758839  
Universal application thanks to screw fixing (1/4" screw)

**TA360 Tripod Adapter**  
Part # 778359  
Allows the base of the disto to remain in a fixed position for accurate calculation. Use with Tri70 tripod.  
For DISTO™ E7400x, D330i, D5, D8

**FTA360 Tripod Adapter**  
Part # 799301  
Tripod adapter with fine-adjustment for easy and precise targeting. Use with Tri70 and Tri100 tripods.  
For DISTO™ D810, E7500 and E7500i

**FTA360-S Tripod Adapter**  
Part # 828414  
Tripod adapter with fine-adjustment for easy and precise targeting. Use with Tri70 and Tri100 tripods.  
For DISTO™ S910 only

**USB Battery charger for DISTO™ D810 & S910**  
Part # 806566  
Plug into the cigarette lighter and charge your Leica DISTO™ D810 touch



# Worldwide service and support

Leica Geosystems are pioneers in laser precision for measuring technology and guarantee quality and reliability. All our products have the benefit of our worldwide network of service centres and dealerships. Leica Geosystems is always somewhere close to you.



Dealer Information:

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[www.leica-geosystems.us](http://www.leica-geosystems.us)  
[www.DISTO.com](http://www.DISTO.com)

Part No. 8237944  
2/20 DM

- when it has to be **right**

**Leica**  
Geosystems