

Leica Geosystems Construction Catalogue Tools for any site



Service & Support

Strongest warranty and calibration certification offering



Leica CalMaster

Professional calibration for maximum precision

Construction sites are harsh environments and put incredible strain on lasers. In the majority of construction projects, lasers face so many impacts that their accuracy can no longer be guaranteed. This can cause inaccuracy and thus, application mistakes may occur. As an example, a wrong reference height during concrete pouring can lead to structural and security issues. Such mistakes can be costly and result in reputation loss for the contractor. To ensure accurate and consistent performance, laser owners should carry out periodic calibration and maintenance of their equipment.

Reliable calibration – reliable performance

- Have all your rotating, grade, pipe, line and point lasers professionally checked, calibrated and certified at your local Leica Geosystems distribution partner
- Avoid costly mistakes by having your lasers periodically checked and calibrated
- Work with peace of mind knowing that your lasers are calibrated to the highest accuracy standards
- As the industry's only calibration system issuing ISO certifications, you can trust that your Leica Geosystems rotating laser will perform with complete accuracy

PROTECT by Leica Geosystems

Lifetime Manufacturer's Warranty:

Our lifetime warranty guarantees the quality and reliability of our products. However, should a device fail because of defects in material or workmanship, we will repair or replace it free of charge.

No Cost Period:

Leica Geosystems' products fulfil the highest quality requirements to support you efficiently in your everyday work on site. Should your product become defective, we will repair or replace it at no charge, simply and straightforwardly.

In the event of a repair being necessary, you benefit from the following services:

- Repair or replacement of all defective parts
- Calibration and check of settings
- Comprehensive functional test and safety check
- Servicing and cleaning of the device

PROTECT is subject to Leica Geosystems International Limited Warranty and PROTECT General Terms & Conditions set out under www.leica-geosystems.com/protect.

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Laser Distance Meters

Quick and efficient

Measure distances and tilts at the touch of a button, in just a few seconds. Saving you time and money.

Precise and reliable

Measure distances to millimetre accuracy. Laser technology makes it possible.

Versatile and functional

The perfect solution for every measuring situation. With more flexibility for you.

Safe and modern

Avoid dangerous measuring situations at work. Use today's modern technology.



06–12 Leica DISTO™
Family

13–15 Leica 3D Disto

Leica DISTO™ Family

The right one for each job



Leica DISTO™ D1

Handy, simple, precise!

At the touch of a button the Leica DISTO™ D1 measures heights, distances as well as niches quickly and reliably. Complicated or dangerous measurement situations, where ladders may be necessary, are now in the past. The functionality of the DISTO™ D1 can be extended with the Leica DISTO™ Plan app.

Article no. 843418



Leica DISTO™ D110

Small size, big possibilities

The Leica DISTO™ D110 is the first laser distance meter with Bluetooth® Smart that fits to a pocket. Its handy design with a pocket clip and simple functions make it a perfect tool for anyone that wants to take effortless measurements.

Article no. 808088



Leica DISTO™ D2

The compact model with 100 m range

Due to the latest measurement technology the Leica DISTO™ D2 achieves a range of 100 m. With Bluetooth® Smart the measurements can be transferred immediately to smartphones or tablets. Sensors in the flip-out end-piece enable the automatic detection of the end-piece position.

Article no. 837031



Leica DISTO™ X3

Designed for tough, rugged conditions

The Leica DISTO™ X3 combines innovative distance measurement technology with a site-proof design. It withstands drop tests from up to 2 meter and is dust tight and jet water protected to IP 65 standards. In combination with the Leica DST 360 adapter it allows for Point-to-Point measurements and all measured data is easily documented and visualised with the Leica DISTO™ Plan app.

Article no. 850833



Leica DISTO™ X4

Designed for bright, outdoor environments

In addition to all features of the Leica DISTO™ X3, the DISTO™ X4 is equipped with a Pointfinder camera, allowing for easy targeting of distant objects in bright sunlight. The laser dot may not be visible but the target object displays clearly on the high-resolution colour display.

Article no. 855107



Leica DST 360

Make your X-series into a P2P tool

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

Article no. 864982

Article no. 848783 package incl. TRI 120 tripod in rugged case



Leica DISTO™ D510

Great outdoor functionality and apps

The DISTO™ D510 stands for easy and effortless outdoor distance measurement. The unique combination of digital Pointfinder and 360° tilt sensor allows measurements which are not possible with conventional distance meters.

In addition, with Bluetooth® Smart and attractive free apps, you are prepared for the future.

Article no. 792290



Leica DISTO™ D810 touch

The smartest solution to measure and document

The Leica DISTO™ D810 touch is the world's first laser distance meter with a touch screen and revolutionary "measure with a picture" feature. The integrated camera can be used to take pictures and download them to a computer. The high level of functionality is perfectly completed by the smart free app Leica DISTO™ Plan.

Article no. 792297



Leica DISTO™ S910

Measure anything from anywhere

The Leica DISTO™ S910 is worldwide the first laser distance meter with the revolutionary P2P Technology. Measure fast and easily distances between any two points from one location. The measurement results can be transferred instantly to PC's via WLAN or Bluetooth® Smart. Alternatively the results can be saved on the device as DXF data and downloaded later with the USB interface for use in CAD software. This shortens the workflow and saves valuable time.

Article no. 805080



Technical Data	DISTO™ D1	DISTO™ D110	DISTO™ D2	DISTO™ X3	DISTO™ X4	DISTO™ D510	DISTO™ D810 touch	DISTO™ S910
Typical accuracy	±2.0 mm	±1.5 mm	±1.5 mm	±1.0 mm	± 1.0 mm	±1.0 mm	±1.0 mm	±1.0 mm
Range	0.2 - 40 m	0.2 - 60 m	0.05 - 100 m	0.05 - 150 m	0.05 - 150 m	0.05 - 200 m	0.05 - 250 m	0.05 - 300 m
Measuring units	m, ft, in	m, ft, in	m, ft, in	m, ft, in	m, ft, in	m, ft, in	m, ft, in	m, ft, in
Tilt sensor				360°	360°	360°	360°	360°
Colour display with Pointfinder					4x zoom	4x zoom	4x zoom, Overview camera	4x zoom, Overview camera
Data interface*	Bluetooth® Smart	Bluetooth® Smart	Bluetooth® Smart	Bluetooth® Smart	Bluetooth® Smart	Bluetooth® Smart	Bluetooth® Smart	Bluetooth® Smart, WLAN
Batteries	Type AAA 2 x 1.5 V	Type AAA 2 x 1.5 V	Type AAA 2 x 1.5 V	type AA 2 x 1.5 V	type AA 2 x 1.5 V	Type AA 2 x 1.5 V	Li-Ion battery	Li-Ion battery
Dimensions	115 x 43.5 x 23.5 mm	120 x 37 x 23 mm	116 x 44 x 26 mm	132 x 56 x 29 mm	132 x 56 x 29 mm	143 x 58 x 29 mm	164 x 61 x 31 mm	164 x 61 x 32 mm
Weight with batteries	87 g	92 g	100 g	184 g	188 g	198 g	238 g	290 g
Memory			10 results	20 results	20 results	30 displays	30 displays	50 displays
Multifunctional end-piece			Automatic recognition	Automatic recognition	Automatic recognition	Automatic recognition	Automatic recognition	Smartbase
Laser class	Class 2	Class 2	Class 2	Class 2	Class 2	Class 2	Class 2	Class 2
Protection class	IP 54	IP 54	IP 54	IP 65	IP 65	IP 65	IP 54	IP 54
Warrenty	2 years warranty 3 years warranty after registration on www.disto.com							

* System requirements and other details can be found at www.disto.com

Leica DISTO™ Family

Professional packages for each application

Leica DISTO™ X4 kit – P2P measurement and convenient aiming

The Leica DISTO™ X4 and DST 360 adapter comes with a compact but sturdy tripod TRI 120. Everything is stored in a very robust case protected to IP 67 standards. This package allows for Point-to-Point measurements.

Article no. 6013636



Leica DISTO™ D510 case – Convenient aiming, precise and easy outdoor measuring

This package is the perfect outdoor combination for convenient aiming and precise measurements, even in bright sunshine. The clear arrangement of the Leica DISTO™ D510, Leica FTA360 tripod adapter and Leica TRI 70 tripod in a robust case means you always have everything safe and at hand.

Article no. 823199



Leica DISTO™ D810 touch case – Convenient aiming, precise measuring and easy documentation

This package consists of the Leica DISTO™ D810 touch, the Leica FTA360 adapter and the tripod TRI 70. In combination with the FTA360 adapter, the Leica DISTO™ D810 touch becomes a highly precise measuring station. Everything comes together in an attractive and robust carrying case.

Article no. 806648



Leica DISTO™ S910 case – The complete set to measure anything from anywhere

This package is the complete professional system for convenient aiming, precise measurements of point data and creating drawings. It consists of the Leica DISTO™ S910, the Leica FTA360-S tripod adapter and the Leica TRI 70 tripod. The instrument and accessories come in an attractive, robust case.

Article no. 806677



Leica DISTO™ Family

Accessories supplied with / optional

1 TRI 70 Tripod

The small portable tripod is intended for everyday use. Its features include easy fine adjustment and a bubble level. Extendable length from 0.40 m to 1.15 m. Ideal with the FTA360 or FTA360-S adapter.

Article no. 794963

2 TRI 100 Tripod

Quality tripod with bubble level, very easy fine adjustment. Extendable length from 0.70 m to 1.74 m.

Article no. 757938

3 TRI 120 Tripod

Twist locks for the legs are making this tripod even more stable. The 180° foldable legs are making it ultimately compact. Ideal for any tripod adapter for all Leica DISTO™ models. Extendable length from 0.40 m to 1.20 m.

Article no. 848788

4 TRI 200 Tripod

Stable construction tripod with 1/4" screw to use with DISTO™ on a FTA360 or FTA360-S adapter or Lino. Extendable length from 0.75 m to 1.15 m.

Article no. 828426

5 FTA360 and FTA360-S Adapter

Sturdy adapter with fine drive for convenient and precise targeting. The adapter eases the task of targeting, above all over long distances, and result in minimum discrepancies when taking indirect measurements. For use in combination with Leica TRI 70, TRI 100, TRI 120 and TRI 200 tripods.

Article no. 828414 for Leica DISTO™ S910

Article no. 799301 for Leica DISTO™ D510 and D810 touch

6 LSA360-S Adapter

Adapter to have the laser beam aligned to the tilting axis when measuring angles and moving the Leica DISTO™ vertically. Works in conjunction with the Leica DISTO™ D810 touch or Leica DISTO™ S910 and set up poles with diameters between 11-35mm.

Article no. 838704





7 GZM3 Target Plate

The new 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.

Article no. 820943



8 GZM26 Target Plate, large

Grey side for short and brown side for long distance measurements.

Size: 210 × 297 mm (A4).

Article no. 723385



9 GZM27 Stick-On Target Plate

Target plate held in place with kneading adhesive.

Size: 45 × 100 mm.

Article no. 723774



10 GZM30 Target Plate

Stick-on target plates for placing on ground markers.

Size: 274 × 197 mm.

Article no. 766560



11 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™.

Article no. 5012352



12 POWERLINE 4 LIGHT Charger

For charging 4 rechargeable batteries; type AA or AAA; with 4 adapters for worldwide use; including 4 rechargeable batteries AA / 2500 mAh.

Article no. 806679



13 UC20 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.

Article no. 788956



14 GLB30 Super Light Laser Visibility Glasses 3 in 1

With three different lenses: laser visibility glasses, safety glasses and sun glasses. Red lens glasses for improved visibility of the laser dot in bright rooms and outdoors up to 10–15 m.

Article no. 780117

Leica DISTO™ Plan

Measuring requires documentation



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

Sketch Plan – create a scale drawing

Simply use your fingers to create a sketch on your smartphone or tablet. Then take corresponding measurements and assign them to the relevant lines of your sketch. The app's 'auto-scale' function automatically adjusts the lines' length and the result is a scaled drawing, showing surface area and circumference. It is that easy to produce a CAD ready floorplan.

Smart Room – plan while you are measuring

A newly integrated sensor in the Leica DISTO™ X3 and X4 makes it possible to create accurate floor plans simply by taking clockwise or counter-clockwise measurements of a room. Once all measurements are taken, the app automatically generates the plan. Keeping records of each measurement and the angle between any two of those measurements at the same time makes it possible.

Measure Plan – create as-build plans for CAD

The Leica DISTO™ app supports P2P technology which makes it possible to create detailed floor or wall plans, including doors and windows. Once complete, simply export your plans as a dxf or dwg file into your preferred CAD solution.

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.

Leica 3D Disto

Recreating the real world

The high-precision Leica 3D Disto is used whenever the use of conventional measuring tools is only possible with a great deal of time and effort. With the various measurement functions you can record all spatial situations precisely and use the data afterwards in your customary software environment. With the realistic data you can produce the final parts directly. The time-consuming template and modification work during installation is no longer necessary. The fully digitalised workflow saves valuable time.



Leica 3D Disto

Versatility meets efficiency

Leica 3D Disto with 3D Disto software for Windows®

Leica 3D Disto with a licence for the Leica 3D Disto software for Windows®. The intelligent software on a Windows® device controls the Leica 3D Disto, automatically carries out all complicated calculations in the background and only supplies all the relevant information.

Article no. 844692



**3D Disto Software
for Windows®**



Licence for Leica 3D Disto software for Windows®

Windows License for Leica 3D Disto software for operation systems Microsoft Windows 7 or higher. Single license, valid for one Leica 3D Disto.

Article no. 784472



**3D Disto Software
for Windows®**



Customer Care PACKAGES »

Customer Care Package for 3D Disto

Benefit from online access to a network of support professionals who will work with you to solve any problems that may arise. Additionally get the latest software improvements and new features to keep your products up-to-date.

Article no. 6013493 (for one year)

Article no. 6013494 (for two years)

Article no. 6013495 (for three years)

	Leica 3D Disto with 3D Disto software for Windows®
Leica 3D Disto	✓
License for 3D Disto Software for Windows®	✓
Remote control RM100	✓
Power supply for 3D Disto	✓
4 country specific power cords for worldwide use	✓
USB memory stick	✓
Self-adhesive target points	✓
Ruler (for measuring hidden points)	✓
Leica GZM3 target plate	✓
USB cable	1
Quickstart	✓

Technical specifications	
Distance in m	10, 30, 50 m
Tie distance accuracy in mm	1, 2, 4 mm
Range	0.5 to 50 m / 1.7 to 165 ft
Distance in m	10 m: ~7 mm x 7 mm
Ø of the laser dot in mm	30 m: ~9 mm x 15 mm
Angle measuring range	
horizontal	360°
vertical	250°
Self-levelling range tilt sensor	±3°
Digital pointfinder	1x, 2x, 4x, 8x zoom
File format	Import: DXF, CSV Export: DWG, DXF, TXT, CSV, JPG
Data interface	USB cable connection WLAN
Operating time	8 h
Batteries	Li-ion rechargeable
Charging time	7 h
Protection class	IP 54
Dimensions Ø x H	186,6 x 215,5 mm
Weight	2.8 kg
Range of remote control (IR)	30 m

System requirements for a Windows® device (not included in the scope of delivery)	
Operating system	Windows 7 or higher
Recommended screen resolution	Minimum 1000 × 680 pixels, desktop or touchscreen
Further recommendations	Use of a pen for the touchscreen, replacement batteries, robust housing

Following tablet computers are tested and recommended by Leica Geosystems AG	
Microsoft Surface Pro 3 - i5	128 GB, WiFi, 12", Windows 10 pro
Leica CC 80 (Icon)	7", Windows 8.1 pro

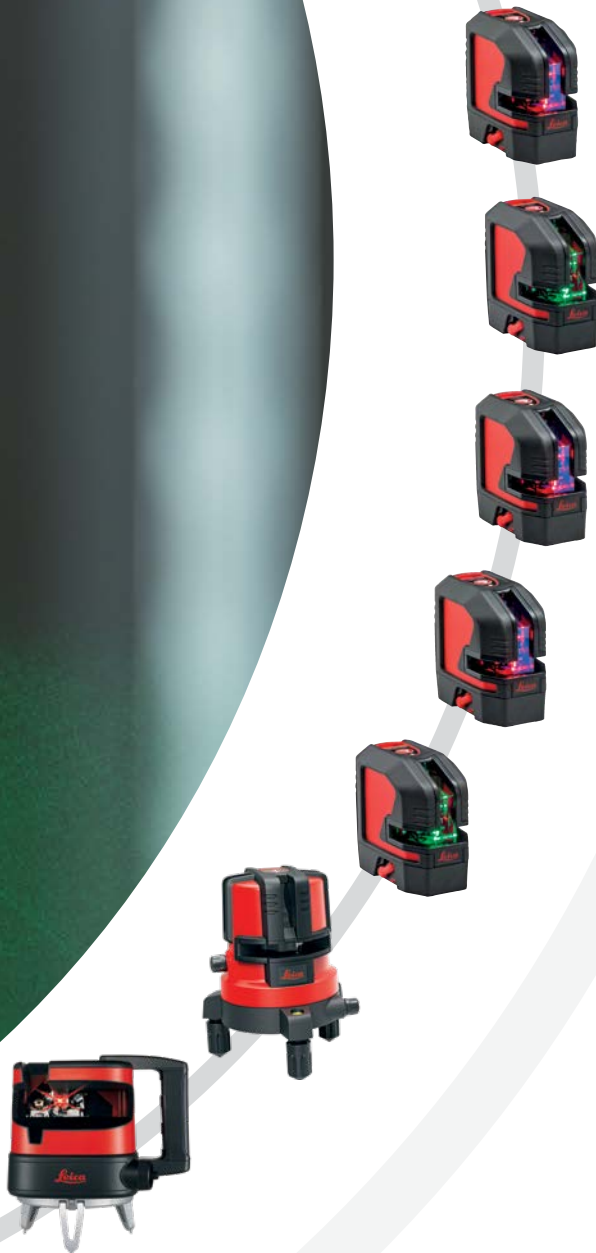


Line & Point Lasers

Set-up, switch on and start working.

Leica Lino lasers project lines or points to millimetre accuracy, making it easier for you to get the job done right.

All Leica Lino lasers are self-levelling, so you can set-up, switch on and start working. Top quality optics and proven accuracy ensure that the projected lines give you a reference line that you can trust. Lino lasers are so simple to understand and operate, providing you with the flexibility to complete any interior application that require you to level, align, plumb or square.



18-21 Leica Lino Family

Leica Lino Family

Excel on every point across the whole range

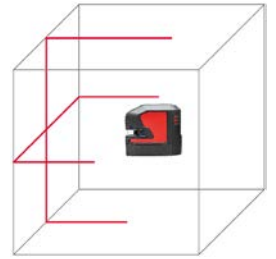
Leica Lino L2

You can rely on its sharp lines

The handy cross line laser with outstanding laser line visibility up to 25 meters. Its exceptionally long horizontal and vertical laser lines are projected to floors, walls and ceilings at more than 180 degrees. Smart magnetic adapters allow for quick and precise positioning.

Article no. 848435 Lino L2s

Article no. 864413 Lino L2 set incl. Li-Ion battery in carrying case

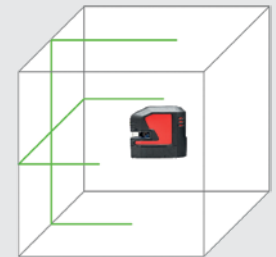


Leica Lino L2G

Visibility on a new level

The green cross line laser with up to 4-times higher visibility. The Li-Ion battery ensures continuous working. The Lino can easily be connected to precision engineered adapters via strong magnets, allowing to work faster and more precisely.

Article no. 864420 set incl. Li-Ion battery in carrying case

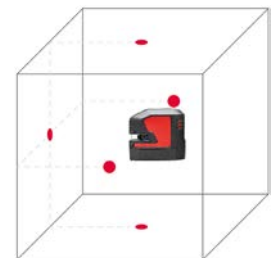


Leica Lino P5

Right to the point!

The 5 point laser for quick setting-out and layout jobs and for easy upward and downward vertical aligning. Magnetic smart adapters allow to quickly attach the Leica Lino P5 to edges, profiles, iron pipes, tracks or bars.

Article no. 864427 set in carrying case



Leica Lino L2P5

Combining points and lines

The small and handy all-rounder for quick setting-out, layout and alignment jobs. It comes with a smart magnetic adapter which allow to position the instrument quickly and with absolute precision. Due to the Li-Ion batteries it runs for up to 44 hours on one charge

Article no. 864431 set incl. Li-Ion battery in carrying case

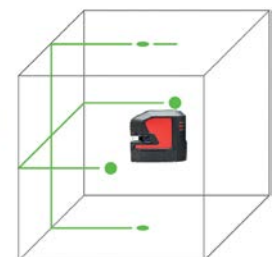


Leica Lino L2P5G

Multi-functionality with highest visibility

The point and cross-line laser with the best green laser technology. Its green laser beams and points are up to four times more visible to the human eye. Li-Ion batteries allow this all-round laser tool to run up to 28 hours on just one charge. With the smart magnetic adapters it can be set up over edges and profiles, attached to iron pipes or to various tracks and bars.

Article no. 864435 set incl. Li-Ion battery in carrying case



Leica Lino L4P1

Multi line laser to cover a wide range of applications. It can be turned by 360° on a base plate with fine adjustment thus facilitating simple and easy marking of 90° layouts. It is easy to exchange the Li-Ion batteries with 24 hours of operation with normal alkaline batteries. Target plate red, Li-Ion battery pack, international charger with 4 plugs, Alkaline battery tray, hard case.

Article no. 834838



Leica Lino ML180 (ML90 manual version)

With the Smart Targeting function it is possible to produce layout drawings very efficiently without help from another person, even involving long distances. The laser line is aligned with the XCR Catch receiver by just pressing a key. When producing layouts of up to 100 m, accuracy is extremely important in order to prevent expensive errors. This is where the precision of the electronic self-levelling system provides a real advantage.

Article no. 784437 (Lino ML90)

Article no. 784438 (Lino ML180)



Technical Data	Lino L2s	Lino L2	Lino L2G	Lino P5	Lino L2P5	Lino L2P5G	Lino L4P1	Lino ML90	Lino ML180
Range*	25 m	25 m	35 m	30 m	25 m	35 m	15 m	20 m	20 m
Smart Targeting	-								yes
Levelling accuracy	± 0.2 mm/m							± 0.07 mm/m	
Self-levelling range	± 4°						± 3°	± 5°	
Dot accuracy	-			± 0.2 mm/m				± 0.1 mm/m	
Horizontal line accuracy	± 0.3 mm/m			-	± 0.3 mm/m		± 0.2 mm/m	± 0.1 mm/m	
Vertical line accuracy	± 0.3 mm/m			-	± 0.3 mm/m		± 0.2 mm/m	± 0.1 mm/m	
Beam direction	vertical, horizontal	vertical, horizontal	vertical, horizontal	up, down, forward, right, left	vertical, horizontal, up, down, right, left	vertical, horizontal, up, down, right, left	3 vertical, 1 horizontal, 1 plumb down	vertical forward + right, horizontal, plumb down	vertical forward + right + left, horizontal, plumb down
Laser type	635 nm/class 2		525 nm/class 2	635 nm/class 2		525 nm/class 2	635 nm/class 2		
Protection class	IP54								
Battery type	AA 3 x 1.5V	Li-Ion rechargeable (or AA 3 x 1.5V)		AA 3 x 1.5V	Li-Ion rechargeable (or AA 3 x 1.5V)		Li-Ion rechargeable (or AA 4 x 1.5V)	NiMH rechargeable (or D 2 x 1.5V)	
Operating time**	up to 13 h (AA)	up to 44 h (Li-Ion)	up to 28 h (Li-Ion)	up to 37 h (AA)	up to 44 h (Li-Ion)	up to 28 h (Li-Ion)	up to 24 h (Li-Ion)	up to 15 h (NiMH)	up to 12 h (NiMH)
Weight with batteries	500 g	530 g		495 g	530 g		1173 g	2200 g	
Warranty	2 years warranty 3 years warranty after registration on www.disto.com								

* depending on lighting conditions

** depending on laser mode

Leica Lino Family

Accessories supplied with / optional

1 Receiver RVL 80

For detecting red line laser beams over longer distances or in difficult light conditions. Localizes the laser beam at a distance of up to 80 m. Optical and acoustic signals help to find the laser plane. Compatible with Lino L2, L2+, L2P5, L4P1.

Article no. 838757



1

2 RGR 200 Receiver

One laser receiver for all! Robust IP 65 housing with front and back side display, incl. magnets for ceiling attachment. Locating red and green laser beams at distances up to 80 m. For Leica Lino L2, L2G, L2P5, L2P5G and L4P1.

Article no. 866090



2

3 XCR Catch Receiver

Smart Targeting receiver enables automatic aligning of the vertical laser beam from the Leica Lino ML180. It includes a laser receiver and a remote control for automatic layouting tasks up to 50 m. The clamp can be attached quickly by magnets. Automatic alignment just compatible with Lino ML180.

Article no. 842018



3

4 UAL 130 Wall Mount

The universal adapter for Lino allows to attach and adjust the height of the Leica Lino by 130 mm easily and precisely. Can be used for the new Leica Lino L2, L2G, L2P5, L2P5G and P5.

Article no. 866131



4

5 Wall Bracket

Wall and ceiling adapter with 1/4" screw, of universal application thanks to screw fastening. Compatible with L4P1.

Article no. 758839



5

Leica Lino Family

Accessories supplied with / optional



6

6 CLR290 Clamp Rod

For stepless positioning of lasers at different heights up to 2.90 m. With mounting platform. For all Linos.

Article no. 761762



7

7 TRI 70 Tripod

The small portable tripod is intended for everyday use. Its features include easy fine adjustment and a bubble level. Extendable length from 0.40 m to 1.15 m.

Article no. 794963



8

8 TRI 100 Tripod

Quality tripod with bubble level, tilting platform, and very easy fine adjustment. Extendable length from 0.70 m to 1.74 m. Compatible with DISTO™ and Lino.

Article no. 757938



9

9 GLB 10R / GLB 10G Laser Glasses

Red and green laser glasses for improved visibility of laser lines and dots in bright rooms and out-doors up to 15 m.

Article no. 834 534 (for red lasers)

Article no. 772 796 (for green lasers)



10

10 Li-Ion Battery Pack

The long life Li-Ion batteries allow you to work uninterrupted for up to 44 hours. The batteries are re-chargeable and more cost efficient than standard Alkaline batteries.

Article no. 842427 for L2, L2G, P5, L2P5, L2P5G

Article no. 835711 for L4P1





Construction Lasers

Whether it's general construction, pipe laying, machine control or interior walls and ceilings, our lasers are built to handle any environment.

All construction lasers are of high technology and high precision tools. Compare these features and you'll see why our construction lasers set the standard for durability and value. Leica Geosystems lasers are waterproof, that means all critical components are completely protected from all wet weather conditions.

With the new Leica Rugby CLA you can get your laser upgraded to match your application needs. The maximum flexibility and the ability to quickly adjust to the job's needs is vital for your projects.



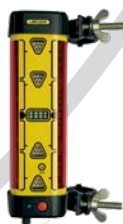
24-28 Leica Rugby CLA/CLH/CLI Upgradable Lasers



29-33 Leica Rugby 600 Series



34-35 Leica Piper 100/200



36-37 Machine Receivers

Leica Rugby CLA/CLH/CLI

The first upgradable lasers

Rugby CLH

Basic Instrument including battery, charger and carry case

Article	Description
6012274	Rugby CLH Basic



Rugby CLH packages including battery, charger and carrying case

Article	Description
6012276	Rugby CLH & CLX200, manual grade
6012277	Rugby CLH & CLX300, semi auto single grade
6012278	Rugby CLH & CLX400, semi auto dual grade
Combo required for all packages	



Rugby CLH Agriculture

Rugby Agriculture Laser including battery, charger and carrying case

Article	Description
6012275	Rugby CLH & CLX001, semi auto dual grade, 20 RPS
Combo required for all packages	



Rugby CLA

Basic Instrument including battery, charger and carrying case

Article	Description
6012279	Rugby CLA Basic



Rugby CLA packages including battery, charger and carrying case

Article	Description
6012281	Rugby CLA & CLX250, manual grade
6012282	Rugby CLA & CLX500, manual grade, lay down
6012283	Rugby CLA & CLX600, auto single grade, lay down
6012284	Rugby CLA & CLX700, auto dual grade, lay down
6012280	Rugby CLA & CLX800, auto dual grade, 20 RPS
Combo required for all packages	



Rugby CLI

Basic Instrument including battery, charger and carrying case

Article **Description**
6012285 Rugby CLI Basic



Rugby CLI packages including battery, charger and carrying case

Article **Description**
6012286 Rugby CLI & CLX900 auto dual grade, 20 RPS invisible beam
Combo required for all packages



LEICA RUGBY	CLH	CLA	CLI
Warranty	5Y/2Y knockdown	5Y/2Y knockdown	5Y / 2Y knockdown
Grade capability* (X/Y Axes)	8%	15%	15%
Self-levelling accuracy**	± 1.5 mm at 30 m (± 1/16" at 100 ft)	± 1.5 mm at 30 m (± 1/16" at 100 ft)	± 1.5 mm at 30 m (± 1/16" at 100 ft)
Self-levelling range	± 6°	± 6°	± 6°
Operating range with Combo, RE 140/160	1350 m diameter	1350 m diameter	1350 m diameter
Remote range	600 m diameter	600 m diameter	600 m diameter
Laser class	1	2	1
Environmental standard	IP68/MIL-STD-810G	IP68/MIL-STD-810G	IP68/MIL-STD-810G
Operating temperature	-20 °C to +50 °C -4 °F to +122 °F	-20 °C to +50 °C -4 °F to +122 °F	-20 °C to +50 °C -4 °F to +122 °F
Storage temperature	-40 °C to +70 °C -40 °F to +158 °F	-40 °C to +70 °C -40 °F to +158 °F	-40 °C to +70 °C -40 °F to +158 °F
Rotation speed	10, 15, 20 RPS	0, 2, 5, 10, 15, 20 RPS	10, 15, 20 RPS
Batteries (Li-Ion)	Li-Ion	Li-Ion	Li-Ion
Battery operating time**	50 h	50 h	50 h
Battery charging	5 h (full charge) 1 h fast charge = 8 h operating	5 h (full charge) 1 h fast charge = 8 h operating	5 h (full charge) 1 h fast charge = 8 h operating
Dimensions (H x W x D)	230 mm / 9,1 in 296 mm / 11,7 in 212 mm / 8,3 in	230 mm / 9,1 in 296 mm / 11,7 in 212 mm / 8,3 in	230 mm / 9,1 in 296 mm / 11,7 in 212 mm / 8,3 in
Weight with batteries	3.8 Kg / 8,3 lbs	3.9 Kg / 8,5 lbs	3.9 Kg / 8,5 lbs

* Up to 45° with adapter. ** Accuracy defined at 25°C (77°F) battery life depending upon environmental conditions. All specifications are depending on activated functionality.



Leica Combo Receiver/Remote

Combo including Bracket (receiver & remote for Rugby CLH,CLA)

Article	Description
864848	Combo receiver & remote



LEICA COMBO (RECEIVER/REMOTE)

Warranty	3Y
Anti-Strobe	✓
Working range - Receiver	1350 m / 4430 ft (diameter)
Working range - Remote	600 m / 1969 ft (diameter)
Detection window	120 mm / 4.7 in
Digital read out	✓
Offset	✓
Variable detection window length	✓
Audio volumes	4 (including mute)
Detection bandwidth	0.5, 1, 2, 5 mm
Environmental standard	IP67
Batteries (li-ion) / Battery operating time**	Li-Ion 3.7V / 50 h
Battery charging	5 h (full charge) 1 h (fast charge - 8 h operating)
Rechargeable battery / charging option with power bank (USB-C)	✓
Operating temperature	-20°C to +50°C, -4°F to +122°F
Dimensions (H x W x D)	205 mm/8,1 in, 86 mm/3,4 in, 32 mm/1.2 in
Weight with batteries	0.4 Kg / 0.9 lbs

** Defined at 25°C (77°F) battery life depending upon environmental conditions. All specifications are depending on activated functionality.

Leica Rugby Receivers

For all Rugby laser

1 Rod Eye 120

Great receiver for all general construction applications.

Article no. 789922

2 Rod Eye 140 Classic and Bracket

Standard receiver with arrow display.

Article no. 789923

3 Rod Eye 160 Digital and Bracket

Great receiver with digital readout.

Article no. 789924



Leica Rugby CLA/CLH/CLI Accessories

- 1** Flexi Rod with mm scale
Article no. 868132
- 2** CT 160 Tripod with screw clamps
Article no. 864856
- 3** CTP104 Tripod with fast clamps
Article no. 767710
- 4** Rugby Smart Adapter with 90°RE clamp for all Rugby lasers
Article no. 864855
- 5** Combo and Rod Eye Receiver bracket
Article no. 835666
- 6** 90°RE Clamp (all Rod Eyes and Combo)
Article no. 864860
- 7** A270 Facade Adapter Assembly (1x50cm)
Article no. 795176
- 8** Rugby Scope with adapter plate for Rugby CLA
Article no. 864859
- 9** Rugby Carrying case Flexible Name Tag
Article no. 868138
- 10** Rugby Carrying case Standard Name Tag (w/o label)
Article no. 864857



Battery and charging

- 1** A800 Li-Ion Battery Pack 12V./7.2Ah (for Rugby CLH,CLA)
Article no. 864849
- 2** A100 Li-ion Charger
Article no. 790417
- 3** USB Charger (for Combo)
Article no. 864852
- 4** USB Cable C-C (for Combo)
Article no. 864854
- 5** USB Cable C-A (for Combo)
Article no. 864853
- 6** A130 12 V Battery Cable, 4.5 m, charge and run from auto battery
Article no. 790418

- 7** A140 Car Adapter Cable
1 m Charge inside the vehicle while driving. No downtime, unique power concept with solar panel.
Article no. 797750



Leica Rugby 600 Series

Your reliable partner on site

Leica Rugby 610

One button simplicity

Leica Rugby 610 – A one-button, self-levelling horizontal laser (single axis, manual slope when used with the A240 Manual Slope Adapter).

Rugby 610 Package with Rod Eye 120 Receiver

Rugby 610 with carrying case, Rod Eye 120 receiver, charger and rechargeable Lithium-Ion batteries.

Article no. 6011149

Additional packages available.



Leica Rugby 620

Simple and reliable

Leica Rugby 620 – An accurate, easy-to-use, self-levelling horizontal laser with manual grade control.

Rugby 620 Package with Rod Eye 120 Receiver

Rugby 620 with carrying case, Rod Eye 120 receiver, charger and rechargeable Lithium-Ion batteries.

Article no. 6011151

Additional packages available.



Leica Rugby 640/640G

Versatile inside and out

The Rugby 640/640G – A multi-purpose, self-levelling horizontal/vertical laser for interior and general construction applications. Comes with red or green beam.

Rugby 640 Package with Rod Eye 120 Receiver and RC400 Remote

Rugby 640 with carrying case, Rod Eye 120 receiver, RC400 remote, charger and rechargeable Lithium-Ion batteries.

Article no. 6011481

Additional packages available.



Rugby 640G Package with Rod Eye 120G Receiver and RC400 Remote

Rugby 640G with carrying case, Rod Eye 120G receiver, RC400 remote, charger and rechargeable Lithium-Ion batteries.

Article no. 6011487

Additional packages available.



 **Best visibility**
Green Laser

Leica Rugby 680

Semi-automatic, dual grade laser

The Rugby 680 is a semi-automatic, dual slope laser designed for the contractor that does mostly flat work, but occasionally needs to create a slope in two axes such as a small parking area.

Rugby 680 Package with Rod Eye 120 Receiver

Rugby 680 with carrying case, Rod Eye 120 receiver and rechargeable Lithium-Ion batteries.

Article no. 6011159

Additional packages available.



Technical Data	Rugby 610	Rugby 620	Rugby 640	Rugby 640G	Rugby 680
Functionality	Self-levelling horizontal, single manual slope (with slope adapter)	Self-levelling horizontal, with dual axis manual slope	Self-levelling horizontal, vertical, 90° with dual axis manual slope	Self-levelling, horizontal, vertical, 90° and manual slope in dual axis	Semi-automatic, self-levelling horizontal with dial-in, dual axis
Range (diameter) with RE120/120G	800 m	800 m	500 m	400 m	900 m
Range (diameter) with RE 140/160	1.100 m	1.100 m	600 m	600 m	1100 m
Self-levelling accuracy	±2.2 mm @ 30 m	±2.2 mm @ 30 m	±2.2 mm at 30 m	±2.2 mm @ 30 m	±1.5 mm @ 30 m
Self-levelling range	±5°				
H.I. elevation alert	✓	✓	✓	✓	✓
Rotation speeds	10 rps	10 rps	0, 2, 5, 10 rps	0, 2, 5, 10 rps	10 rps
Scanning modes			10°, 45°, 90°	10°, 45°, 90°	
Remote control / radius			RC400 / 200 m	RC400 / 200 m	RC400/ 300 m
Laser diode type / class	635 nm / Class 1	635 nm / Class 1	635 nm / Class 2	520 nm / Class 2	635 nm / Class 1
Dimensions (HWD)	212 × 239 × 192 mm				
Weight with battery	2.4 kg		2.6 kg		
Batteries (alkaline / rechargeable)	Four D-cells / Li-Ion pack (A600)				
Battery life (alkaline / rechargeable)	60 hours / 40 hours @ 20°C				
Environmental standard	IP 67				
Operating temperature range	-10°C to +50°C	-20°C to +50°C	-20°C to +50°C	-20°C to +50°C	-20°C to +50°C
PROTECT service offering	Manufacturer's Warranty: Lifetime No Cost period: 3 years				

Rugby Batteries

- 1 A100 Li-Ion Charger (for Rugby CLH, CLA, 600 & 800 series, Combo)

Article no. 790417

- 2 A600 Li-Ion Battery Pack, 4.8 Ah (for Rugby 600 series)

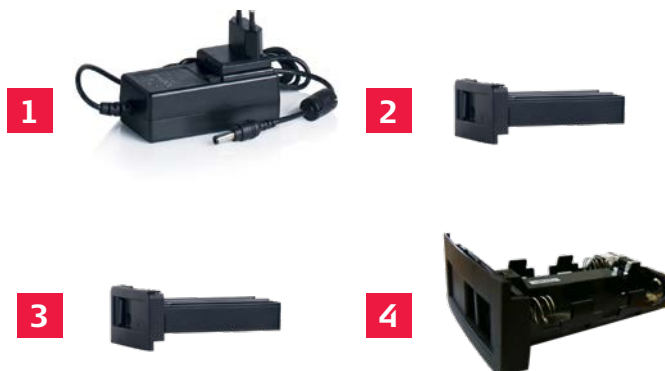
Article no. 790415

- 3 A800 Li-Ion Battery Pack, 7.2 Ah (for Rugby 800 series)

Article no. 790416

- 4 A150 Alkaline Battery Holder for Rugby 600 / 800 series

Article no. 790419



Leica Rugby 600 Series Accessories

1 Flexi Rod with mm scale

Article no. 868132

2 CT160 Tripod with screw clamps

Article no. 864856

3 CTP104 Tripod with fast clamps

Article no. 767710

4 Rugby Smart Adapter with 90°RE clamp for all Rugby lasers

Article no. 864855

5 Combo and Rod Eye Receiver bracket

Article no. 835666

6 RC400 Remote Control

Operates with Rugby 640 / 640G.

Article no. 790352

7 A280 Façade Adapter Kit

Used with Rugby 640.

Article no. 799204

8 A220 Batter Board Clamp

Used with Rugby 640.

Article no. 790432

9 A240 Manual Slope Adapter

Used with Rugby 610.

Article no. 790434

10 A200 Wall Mount Bracket

Used with Rugby 640.

Article no. 790421

11 A210 Ceiling Grid Target

Used with Rugby 640.

Article no. 732791

12 A210G Green Ceiling Grid Target

Used with Rugby 640G.

Article no. 849525



Rugby Power and Charging Solutions

1 A130 12 V Battery Cable, 4.5 m

Charge and run from auto battery for all Rugby lasers.

Article no. 790418

2 A140 Car Adapter Cable, 1 m

Charge inside the vehicle while driving. No downtime, unique power concept with solar panel for all Rugby lasers.

Article no. 797750

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Leica Rugby Receivers

For all Rugby laser

1 Rod Eye 120

Great receiver for all general construction applications.

Article no. 789922

2 Rod Eye 120G

Designed to capture the green laser beam.

Article no. 844745

3 Rod Eye 140 Classic and Bracket

Standard receiver with arrow display.

Article no. 789923

4 Rod Eye 160 Digital and Bracket

Great receiver with digital readout.

Article no. 789924

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Technical Data	Rod Eye 120G Basic	Rod Eye 120 Basic	Rod Eye 140 Classic	Rod Eye 160 Digital	Rod Eye 180 Digital RF
Smart Targeting, Smart Lock					✓
Working diameter (laser dependent)	400 m	900 m	1.350 m		
Detection window	70 mm		120 mm		
Digital readout / height	✓ / 70 mm			✓ / 90 mm	
Digital readout / units	mm, cm, in, frac, ft			mm, cm, in, frac, ft	
Detectable spectrum	500 nm to 570 nm	600 nm to 800 nm			
Automatic shutoff					
Audio volumes		High / Low / Off		High / Med / Low / Off	
Arrow display	11 channels	9 channels		15 channels	
Detection accuracies		Fine ± 1 mm Medium ± 2 mm Coarse ± 3 mm		Very fine ± 0.5 mm Fine ± 1 mm Medium ± 2 mm Coarse ± 3 mm Very Coarse ± 5 mm	
LED display			✓	✓	✓
Anti-strobe protection			✓	✓	✓
Memory, last beam strike			✓	✓	✓
Beam finding, double beep			✓	✓	✓
Laser low battery indicator			✓	✓	✓
Environmental standard			IP 67		
Battery life (hours)			50+ (2x AA type)		
Dimensions (HWD)			173 × 76 × 29 mm		
Operating temperature range			-20°C to +50°C		
Warranty			3 years		



Leica Piper 100/100 2M/200

The world's most versatile pipe laser

Built with a rugged aluminum housing, these pipe lasers perform powerfully even in tough jobsite conditions. The Leica Piper is the only pipe laser that fits inside a 100 mm (4 inch) pipe.



Piper 100 Package

Piper 100, remote, target, Li-ion battery. Charger, car adapter cable and carrying case.

Article no. 748704

Piper 100 2M Package

Piper 100 with Laser Class 2M laser, remote, target, Li-ion battery, Charger, car adapter cable and carrying case.

Article no: 853610

Piper 200 Package with Alignmaster

Piper 200, remote, target, Li-ion battery. Charger, car adapter cable and carrying case.

Article no. 748710

Leica Piper Accessories

1 IR Remote Control

Article no. 746157

2 Target Assembly

Article no. 725858

3 Target Assembly, 100 mm / 4"

Article no. 815613

4 Trivet Assembly

Article no. 746158



Technical Data	Piper 100	Piper 100 2M	Piper 200
Laser type	635 mm (red) Laser Class 3R	635 mm (red) Laser Class 2M	635 mm (red) Laser Class 3R
Working range	200 m	200 m	200 m
Laser output	4.75 mW Maximum	1.20 mW Maximum	4.75 mW Maximum
Grade range	-10% to +25%	-10% to +25%	-10% to +25%
Self-levelling range	-15% to +30%	-15% to +30%	-15% to +30%
Line movement	6m at 30m	6m at 30m	6m at 30m
Battery type	Lithium-Ion	Lithium-Ion	Lithium-Ion
Operation/charge*	40h / 4h	40h / 4h	40h / 4h
Operating temperature range	-20°C to +50°C	-20°C to + 50°C	-20°C to + 50°C
Weight	2kg	2kg	2kg
Protection class (splash water/dustproof)	IPx8	IPx8	IPx8
Construction	Cast Aluminium	Cast Aluminium	Cast Aluminium
Dimensions (Diameter x length)	96 x 267 mm	96 x 267 mm	96 x 267 mm
Wireless remote	Front 150m, back 10m	Front 150m, back 10m	Front 150m, back 10m
Alignmaster (Auto. targeting system)	No	No	Yes

* Dependent upon environmental conditions



Leica MC200 Depthmaster

Depth indication system

The Leica Depthmaster reception area is 200°. The intensity of the LED cluster of indicator lights can be seen even on the brightest of days and indicates the on grade position relative to the plane of laser light. With its patented internal verticality control system, grade control will be more accurate as verticality is a prerequisite for precise measurements.

Depthmaster Excavator Receiver with Magnetic Bracket

Package includes Depthmaster with carrying case, battery pack NiMH for Depthmaster, magnetic bracket, charger and user manual.

Article no. 742440

Depthmaster Excavator Receiver with Clamp-on Brackets

Package includes Depthmaster with carrying case, battery pack NiMH for Depthmaster, clamp-on bracket (2x), charger and user manual.

Article no. 742438



LMR 240

240° machine receiver

The LMR 240 receiver provides accurate grade information for all visual machine control applications, with 240° reception from any rotating laser.

LMR 240

LMR 240 with magnetic mount, carrying case and batteries.

Article no. 773569



LMR 360

360° machine mounted receiver

Built-in vertical indicator monitors angle of the stick, signalling if it's plumb or under or overextended. Vertical position ensures consistent and accurate grade readings, saving money by reducing over or under cutting.

LMR 360R with Clamps and LMD360R Remote

LMR 360 with mounting clamps, carrying case, NiMH batteries, charger and LMD 360R remote.

Article no. 6003352

LMR 360R with Magnets and LMD360R Remote

LMR 360 with magnetic mounts, carrying case, NiMH batteries, charger and LMD 360R remote.

Article no. 6003353





Technical Data	LMR240	LMR360	MC200 Depthmaster
Range	250 m	200 m	200 m
Reception	240°	360°	200°
Capture window	15 cm	25 cm	21 cm
Accuracy (fine)	1.5 – 6 mm	6 mm	±4 mm
Accuracy (coarse)	10 – 15 mm	12 mm	±12 mm
Environmental standard	IP 67	IP 67	IP 67
Battery type	3 × AA batteries	NiMH rechargeable	NiCd rechargeable (NiMH Q3/14)
Battery life	120 – 160 hours	30 hours	> 48 hours
Weight	1.9 kg	1.8 kg	2.4 kg
Mounting	Magnetic	Magnetic / Clamps	Magnetic / Clamps
Remote display	–	✓	–
Remote range	–	30 m	–





Optical Levels

Extreme robustness, high measurement precision and an extremely competitive price. All this makes the difference. Moreover, Leica Geosystems levels are so easy-to-use, there is no need to spend time on training.

Leica Geosystems levels can be configured to suit your work and preferences. Horizontal angles can be read in either degrees or gons, with some levels.



40 Leica NA300 Series



41 Leica NA500 Series



42 Leica NA700 Series



43 Leica NA2 / NAK2

Leica NA300 Series

Unique. Accurate. Simple.

The Leica NA300 Series of automatic (optical) levels has been developed for professionals who are looking for the highest quality results day by day. With the many obstructions and uneven surfaces on construction and building sites, the NA300 levels rise to the occasion and ensure the straightest and safest construction possible.



NA320

Automatic level in carry case, with 20x magnification.

Article no. 840381

NA324

Automatic level in carry case, with 24x magnification.

Article no. 840382

NA332

Automatic level in carry case, with 32x magnification.

Article no. 840383

Technical Data	NA320	NA324	NA332
Magnification	20x	24x	32x
Angle measurement	360°		
Standard deviation (per km double-run)	2.5 mm	2.0 mm	1.8 mm
Shortest target distance	< 1.0 m		
Dust / Water protection	IP 54		
Working temperature	-20°C to +40°C		
Weight	1.5 kg		
PROTECT service offering	Manufacturer's Warranty: Lifetime No Cost period: 1 year		

Leica NA300 and NA500 Accessories

1 CTP104 Aluminium Tripod

Aluminium tripod with shoulder strap and fast clamps, medium weight. Complies with NA Levels

Article no. 767710

2 CLR104 Telescopic Level Staff

CLR104 Telescopic Level Staff, 5 m length, 5 Sections, inverse reading

Article no. 743420

3 CLR102 Telescopic Level Staff

5 m length, 4 sections, E-graduation front, mm-graduation back. Complies with NA Levels

Article no. 727588

4 CT160 Aluminium Tripod

CT 160 Tripod with screw clamps. Complies with NA Levels

Article no. 864856

Leica NA500 Series

Engineered for professionals
by experts

Professionals face many obstructions on site. Whatever the levelling challenge, Leica NA500 Series levels overcome. Rely on the known expertise of Leica Geosystems for the best quality and performance. On your terms, on your site, Leica Geosystems and the Leica NA500 Series are your trusted partners for accurate measurements every time.



NA520

Automatic level in carry case, with 20x magnification.

Article no. 840384

NA524

Automatic level in carry case, with 24x magnification.

Article no. 840385

NA532

Automatic level in carry case, with 32x magnification.

Article no. 840386

Technical Data	NA520	NA524	NA532
Magnification	20x	24x	32x
Angle measurement	360°		
Standard deviation (per km double-run)	2.5 mm	1.9 mm	1.6 mm
Shortest target distance	< 1.0 m		
Dust / Water protection	IP 56		
Working temperature	-20°C to +50°C		
Weight	1.5 kg		
PROTECT service offering	Manufacturer's Warranty: Lifetime no cost two years, with registration three years		

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Leica NA700 Series

Built for builders, engineers and surveyors

Nothing stops a Leica NA700 level. A short drop onto the ground, a fall into water, vibration from heavy machinery – with a Leica NA700 level you just carry on working. No time-consuming checking or readjustment required. The 'best-in-class' optics enable you to always work as precisely as possible. What does this add up to? Reduced work downtime, and higher productivity, resulting in reliability and accuracy at an extremely reasonable price.

In every Leica NA700 series level lies over a century of research and development from forefathers Kern Swiss and WILD Heerbrugg. Continuous application of the most modern technology has led to Leica Geosystems of today.



NA720

Automatic Level 20× telescopic magnification. The automatic level for all applications on the construction site.

Article no. 641982

NA724

Automatic Level 24× telescopic magnification for improved accuracy. Reliability and robustness for the demanding construction user.

Article no. 641983

NA730 plus

Automatic Level 30× telescopic magnification. The most precise. Meets the highest standards in construction, engineering and topographic surveys.

Article no. 641985 / 833190

Technical Data	NA720	NA724	NA730 plus
Magnification	20×	24×	
Angle measurement	360°/400gon		
Standard deviation (per km double-run)	2.5 mm	2.0 mm	0.7 mm
Dust / Water protection	IP 57		
Working temperature	-20°C to +50°C		
Weight	1.6 kg		1.7 kg
PROTECT service offering	Manufacturer's Warranty: Lifetime No Cost period: 2 plus 1 years with registration		

Accessories

1 CTP160 Aluminium Tripod

CT 160 Tripod with screw clamps . Complies with NA Levels

Article no. 864856

2 CLR102 Telescopic Level Staff

5 m length, 4 sections, front side with E-graduation and back side with mm-graduation.

Article no. 727588



Leica NA2/NAK2

The classical level

The Leica NA2 universal automatic level meets all requirements regarding precision, convenience and reliability. It was designed by surveyors and development engineers with years of experience, that know what a field instrument has to be able to do. The NA2 soon pays for itself, because it can be used for all types of surveying jobs - on building sites for routine levelling, in engineering projects and for geodetic control at all levels of accuracy.

Leica NA2 and Leica NAK2 are two universal automatic levels meet all the requirements of precision levelling.



NA2

Universal automatic level magnification 32x standard deviation per 0.7 mm (double-run levelling, depending on staff and technique).

Article no. 352036

NAK2 (400gon)

Magnification: 32x Standard deviation per km 0.7 mm (double-run levelling, depending on staff and technique).

Article no. 352039

NAK2 (360 degrees)

Same as before, but horizontal circle 360 degrees, optical scale interval 10', reading by estimation 1'.

Article no. 352038

Technical Data	NA2	NAK2
Magnification	32x FOK73 eyepiece (optional): 40x	standard: 32x FOK73 eyepiece (optional): 40x
Angle measurement	-	360°/400gon
Standard deviation (per km double-run)	0.7 mm/km (0.3 mm with parallel-plate micrometer)	
Dust / Water protection	IP 53	
Working temperature	-20°C to +50°C	
Weight	2.4 kg	
PROTECT service offering	Manufacturer's Warranty: Lifetime No Cost period: 3 years	

Accessories

1 GPM3 Parallel-Plate Micrometer

In container, measuring range 10 mm.

Article no. 356121

2 GOA2 Autocollimation Eyepiece

For all instruments.

Article no. 199899

3 GFZ3 Diagonal Eyepiece

Allows steep sights.

Article no. 793979

4 FOK73 40x Eyepiece

For NA2/NAK2, exchangeable against standard eyepiece.

Article no. 346475





Digital Levels

Levelling can be so easy with digital levels from Leica Geosystems. Push the button and heights, height differences and distances are automatically displayed. There will be no more misreading and interpretation errors in reading the staff.

It is also possible to use it as an optical level, however compared to a conventional level, the digital levels effortless, fast measurements could save you valuable time and reduce errors. Our digital levels even include additional error reducing functions such as built-in tilt sensors, preventing the system from measuring if the user operates outside the compensator range.



46-47 Leica Sprinter Series

Leica Sprinter 50

One-touch does it all

The Leica Sprinter 50 is the perfect levelling tool for daily tasks and basic work on the construction site. The user just aims, focuses the staff like an optical level, and measures by pressing one single button. The data is displayed almost instantly. Misreadings are eliminated, and error reducing functions, such as the tilt sensor, prevent the system from measuring if the user operates outside the compensator range.

Sprinter 50

Electronic level, standard deviation 2.0 mm, includes container, strap adjustment tools, user manual, leaflet and 4x AA batteries.

Article no. 762628



Leica Sprinter 150/150M/250M

Advanced opportunities

For more complex construction tasks, the Sprinter 150 automatically determines delta height and reduced level. The Sprinter 150M and 250M are the perfect tools for advanced construction levelling tasks. They can store up to 2'000 measurements, and the user can download and transfer these for further calculations to a PC with Excel® easier than ever before via USB. The Sprinter's onboard software, with functionalities such as Line Levelling and Cut & Fill as well as monitoring, facilitates all levelling jobs significantly.

Sprinter 150

Electronic level, standard deviation 1.5mm, includes container, strap, adjustment tools, user manual and 4x AA batteries.

Article no. 762629

Sprinter 150M

Electronic level with internal memory, standard deviation 1.5 mm, includes container, strap, adjustment tools, user manual, 4x AA batteries, USB cable and CD.

Article no. 762630

Sprinter 250M

Electronic level with internal memory, standard deviation 1.0mm, includes container, strap, adjustment tools, user manual, 4x AA batteries, USB cable and CD.

Article no. 762631

Multilingual Function

The Sprinter 150/150M/250M are featured with multiple languages onboard. This allows the user to choose their preferred language.



Technical Data	Sprinter 50	Sprinter 150/150M	Sprinter 250M
Height accuracies	Standard deviation height measurement per 1 km double run (ISO 17123-2)		
- Electronic measurement*	2.0 mm	1.5 mm	1.0/0.7* mm
- Optical measurement	With standard aluminum E-scale/Numeral staff: 2.5 mm		
- Single staff reading	Standard deviation: 0.6 mm (electronic) and 1.2 mm (optical) at 30 m		
Distance accuracies	Standard deviation distance measurement 10 mm for D < 10 m and (Distance in m × 0.001) for D > 10 m		
Range	2 – 100 m (electronic)		
Measuring modes	Single and Tracking		
Time for single measurement	< 3 sec		
Compensator	Magnet damped pendulum compensator (range +/- 10 min)		
Telescope	Magnification (optical) 24x		
Data storage	Up to 2'000 points (only 150M)		Up to 2'000 points
Environmental conditions	IP 55		
Power supply	AA dry cells (4 × LR6/AA/AM3 1.5 V)		
Weight	< 2.5 kg		
PROTECT service offering	Manufacturer's Warranty: Lifetime No Cost period: 2 years		

* 0.7 mm can be achieved with Sprinter fibre glass barcode staff

Leica Sprinter Accessories

1 GSS111 Dual Face Telescopic Levelling Staff

5 m, 4 sections, Sprinter barcode/E-Scale cm-graduation, with circular bubble, in transport bag (Std. version).

Article no. 741882

2 GSS113 Fibreglass Dual Face Staff

Fibreglass dual face staff 3 m, 1 section, Sprinter barcode/E-scale cm graduation, with circular bubble and transport bag.

Article no. 764452

3 CTP104 Aluminium Tripod

Medium duty aluminium tripod with carrying strap and fast clamps.

Article no. 767710

4 CTP160 Aluminium Tripod

Aluminium tripod with shoulder strap and fast clamps, medium weight.

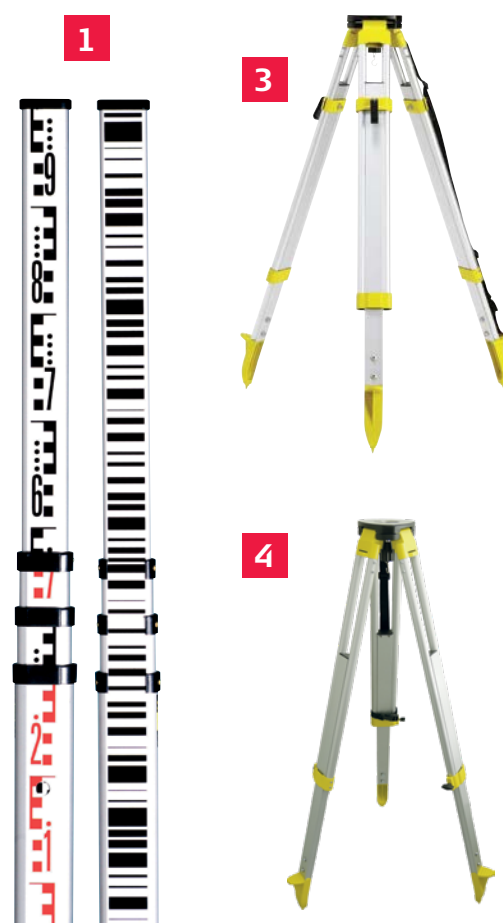
Article no. 864856

5 Sprinter Barcode staff

US: **741883** Dual face tele.staff, 5m 4sections, feet/10th

UK: **741884** GSS112-3 Dual-face staff, 4m, 4sections

JP: **741885** Dual face tele.staff, 5m 4 sections



Leica DD 100 Series Locators

Safe and fast location of underground utilities

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 DD120

For construction professionals who need to understand what is beneath their sites, the Leica DD120 cable locator is a simple, intuitive locator designed to detect and avoid buried utilities throughout the excavation phase. The DD120 automated pinpointing process improves the detection of utilities, reducing utility damage and improving workforce safety.

Use the DD120 in conjunction with a DA220 signal transmitter or range of accessories to achieve depth estimation, improved accuracy and application scope.

Article no. 50 Hz 872938 / 60 Hz 872939



Leica DD130

For all professionals who need to accurately locate and trace buried utilities, the new Leica DD130 cable locator features additional tracing capabilities and increased depth detection in an easy, intuitive product. The DD130 delivers consistent and precise location capabilities for increased user confidence.

Use the DD130 in conjunction with a DA230 signal transmitter or range of accessories to achieve depth estimation, improved accuracy and application scope.

Article no. 50 Hz 872940 / 60 Hz 872941



Technical Data	DD120	DD130
Power	50Hz model or 60Hz model	50Hz model or 60Hz model
Radio	15kHz to 60kHz	15kHz to 60kHz
Auto	Power, Radio	Power, Radio,
Transmitter Modes	32.768(33)kHz, 8.192(8)kHz	32.768(33)kHz, 8.192(8)kHz, 512Hz, 640Hz
Depth Range Line Sonde	0.3m to 3m / 1ft to 10ft	0.3m to 3m / 1ft to 10ft
	0.3m to 3m / 1ft to 10ft	0.3m to 9.99m / 1ft to 32.77ft
Depth Accuracy*	10%	10%
Protection	IP54	IP54
Operating Temperature	-20 °C to +50 °C / -4 °F to +122°F	-20 °C to +50 °C / -4 °F to +122°F
Battery	6 X LR6 (AA) Alkaline	6 X LR6 (AA) Alkaline
Battery operating time**	15 h	15 h
Dimensions (HxWxD)	760 x 250 x 85mm / 30 x 10 x 3.4 inches	760 x 250 x 85mm / 30 x 10 x 3.4 inches
Weight with batteries	2.7Kg / 6 lbs	2.7Kg / 6 lbs
Warranty	1 year	1 Year

* Depth to an undistorted signal

** Constant use at 20°C/68°F

Leica DD SMART Utility locators

Work safer, work smarter, work simpler

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. DD SMART locators and DX Shield software assure maximum protection and safety on site by offering the best in class detection performance and allowing organisations to gain a better understanding of locating task performance and site complexities before any excavating jobs.



Leica DD220 SMART utility locator

The Leica DD220 SMART utility locator is an easy to use, intuitive locator simplifying the detection of buried utilities and increasing user confidence. With automated pinpointing technology and a clear visible colour display, the DD220 SMART utility locator discovers buried utilities with confidence. On-board video support, usage alerts and diagnostics, combine to improve product use and, protect operators and utilities.

Use the DD220 in conjunction with a DA220 signal transmitter or range of accessories to achieve depth estimation, improved accuracy and application scope.

Article no. 850268



Leica DD230 SMART utility locator

The Leica DD230 SMART utility locator combines enhanced trace capabilities, producing greater detection accuracy and increased distance tracing with an intuitive, user-friendly package. With added confidence, you can locate and trace deeper and further than ever before. With an innovative antenna design, large colour screen and advanced digital signal processing, the DD230 provides reliable performance through easy operation, detecting the smallest signals in the most congested areas.

Use the DD230 in conjunction with a DA230 signal transmitter or range of accessories to achieve depth estimation, improved accuracy and application scope.

Article no. 50Hz: 850270



DD Locator and DA Signal Transmitter Accessories

TRACE RODS

Used with the DD Locators and DA Signal Transmitter to trace the route of non metallic drains, ducts or pipes. Available in 50 metre or 80 metre lengths

Article No.	Description
850278	Trace Rod 50M
850279	Trace Rod 80M



TRANSMITTER CLAMPS

Used with the DA Signal transmitter to apply a trace signal to utilities such as telecom cables, power cables and pipes.

Article No.	Description
850280	Transmitter Clamp 100mm (4"), Compatible with 33kHz signal transmitters
850281	Transmitter Clamp 80mm (3.15"), Compatible with 256Hz to 200kHz signal transmitters



PROPERTY PLUG CONNECTOR

Used with the DA Signal transmitter to apply a trace signal to residential electrical supplies

Article No.	Description
850282	Property Plug connector – UK
850283	Property Plug connector – Eu
850284	Property Plug connector – US
850285	Property Plug connector – Ch
850286	Property Plug connector – Aus



SONDES

Used to trace the route of drains, sewers, plastic pipes and ducts. Available in many sizes to cover a wide range of applications.

Article No.	Description
850288	Mini Sonde 33, 18mm (0.7") diameter with a 33kHz output. Working range 7 metres (23ft)
850289	Midi Sonde 8/33, 38mm (1.5") diameter with an 8kHz or 33kHz output. Working Range 5m (16.4ft)
850290	Maxi Sonde 8/33, 55mm (2.17") diameter with an 8kHz or 33kHz output. Working range 12m (39.4ft)
856131	Duct Sonde 33, 24mm (0.95") diameter with a 33kHz output. Working Range 5m (16.4ft)
850291	Clamp Sonde 33, 40mm (1.57") diameter with a 33kHz output. Clamp sonde clamps onto a 12mm (0.74inch) flexible rod. Working range 5m (16.4ft)



Carry Bags

Fabric carry bag for the DD locator range

Article No.	Description
850276	Locator system carry bag for the DD locators, DA signal transmitters and accessories
850277	Leica DD220, DD230 Locator Bag
872942	Leica DD120, DD130 Locator Bag



Batteries, Chargers and Cables

Article No.	Description
845900	Leica DD SMART, DA Li-Ion Battery
790417	A100 - Li-ion Charger
797750	A140 - Car Adapter Cable
850287	Transmitter cable extension





Utility detection integration

Leica DX Manager integrates all the Leica Geosystems Detection portfolio into a simple survey workflow, empowering the user to apply locator depth measurements to GNSS measurements. The result is a seamless fusion of both worlds – with all locator related data reviewable either in Leica DX Manager or any export format.

Leica DX Manager - Key Benefits

- Simplified processes
- Improvement of data quality and accuracy
- Consistent data collection methods
- Integration of DS2000, cable locators and asset mapping data
- Workflows to maintain data integrity

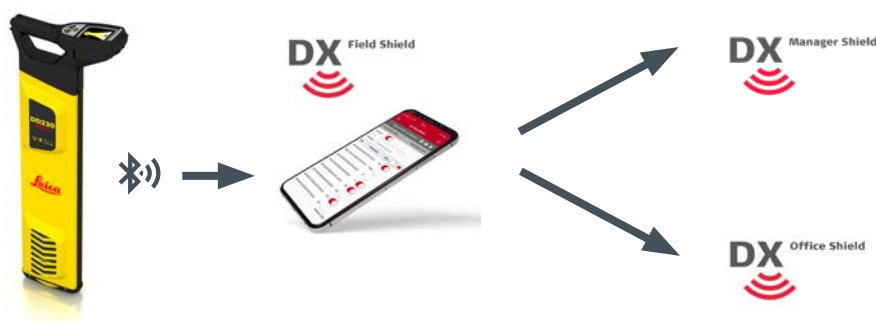


DX Shield Software

Connect with DD SMART locators and Bluetooth enabled Digicats

DX Shield software focuses on site protection allowing organisations to gain a better understanding of task performance and site complexities. Easy-to-use reports provide a fast and convenient overview of product use, enabling businesses to identify training needs and skills gaps – leading to reduced utility strikes.

- Protect your personnel
- Protect your assets
- Protect the infrastructure
- Protect your reputation
- Give you insights into how your equipment is used
- Work safer, work smarter, work simpler



DX Field Shield

- Connects field activities to DX Manager Shield
- Connects field activities to DX Office Shield

Download from the IOS or Android store

DX Office Shield

- Processes & reports on the locator usage information
- Connects to CalMaster and link to the web for web calibration verification

Download from Leica Geosystems website

DX Manager Shield

- Centralised, accessible information
- Processes & reports on the locator usage information
- Holds all site documentation e.g. health & safety forms
- Keeps all site photos logged in the project folder
- Standard, Pro or Expert levels, there's a version that's right for your business

Create an account at www.dxmanagershield.leica-geosystems.com

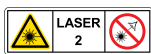
Leica Geosystems - when it has to be right.

Revolutionising the world of measurement and survey for nearly 200 years, Leica Geosystems creates complete solutions for professionals across the planet. Known for premium products and innovative solution development, professionals in a diverse mix of industries, such as surveying and engineering, safety and security, building and construction, and power and plant, trust Leica Geosystems to capture, analyse and present smart geospatial data. With the highest-quality instruments, sophisticated software and trusted services, Leica Geosystems delivers value every day to those shaping the future of our world.

Leica Geosystems is part of Hexagon (Nasdaq Stockholm: HEXA B; hexagon.com), a leading global provider of information technologies that drive quality and productivity improvements across geospatial and industrial enterprise applications.



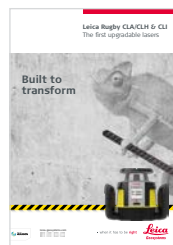
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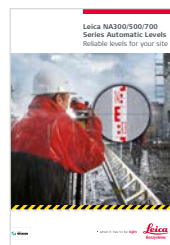
in accordance with
IEC 60825-1*

* According to product
specific technical details

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- when it has to be **right**

