

Leica Geosystems

Measure, align, level



- when it has to be **right**

Leica
Geosystems

Increase your productivity measurably



Save time and money on any construction site: with the products from Leica Geosystems you can work fast, accurate and efficient. Whether you want to measure distances or inclinations, position, align or level.



We offer the optimal products for all requirements.
**Modern measuring, aligning and levelling
with Leica Geosystems technology.**

 **SWISS** Technology
by Leica Geosystems

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 200 m with millimetre 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™ DXT

The extra-robust model for extreme conditions

The Leica DISTO™ DXT is the only laser distance meter to be dust-tight and protected against water jets (IP65). You can be sure that the results it supplies are always precise, even under the harshest conditions.



- Dust-tight and protected against water jets – IP65
- Sealed keypad washable under flowing water
- Impact-resistant housing
- Hard-wearing illuminated display
- Robust rubber jacket
- Multifunctional end-piece with automatic detection





Leica DISTO™ D2

The small partner for simple measuring tasks

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

- Small and handy
- Illuminated 3-line display
- Flip-out end piece
- Stake out function
- Simple Pythagoras function



Leica DISTO™ D3a

Your precise partner with Smart Horizontal Mode™

With a measuring accuracy of ± 1.0 mm, the Leica DISTO™ D3a provides high precision at the press of a button.

- Smart Horizontal Mode™ for absolutely horizontal measuring
- Tilt sensor ($\pm 45^\circ$)
- Additional information on measurements, e.g. indirect height
- Various measuring functions
- Illuminated 4-line display
- Multifunctional end-piece with automatic detection



Leica DISTO™ D3a BT

Your precise partner with Bluetooth®

The Leica DISTO™ D3a BT has all the features of the DISTO™ D3a.

But in addition, it also offers the following advantages.

- Rapid, error-free data transfer
- "Leica DISTO™ Transfer" software included
- Plug-In for AutoCAD® and Bricscad™
- Navigation keys



Leica DISTO™ D5

Your powerful partner for long distances

For measuring quickly and conveniently over long distances, even in bright sunny conditions – the high resolution colour display and digital Pointfinder make it possible.

- Digital Pointfinder with 4x zoom
- Large colour display screen (2.4 inches)
- Integrated tilt sensor ($\pm 45^\circ$)
- Pythagoras and trapezium functions
- Additional measurement information, e.g. indirect height



Leica DISTO™ D8

The versatile one for in and outdoor with Bluetooth®

With the combination of angle and distance measurement, it is easy to measure distances that in the past would have needed considerably more expensive measuring systems. You can also transfer your data error-free to your PC.

- 360° tilt sensor
- Digital Pointfinder with 4x zoom
- Large colour display screen (2.4 inches)
- Bluetooth® Technology
- Altitude Profile Measurement

Technical Data	DXT	D2	D3a	D3a BT	D5	D8
Art. no.	774 697	762 200	776 148	776 747	764 550	764 555
Typ. measuring accuracy	$\pm 1,5 \text{ mm}$	$\pm 1,5 \text{ mm}$	$\pm 1,0 \text{ mm}$	$\pm 1,0 \text{ mm}$	$\pm 1,0 \text{ mm}$	$\pm 1,0 \text{ mm}$
Measuring range	0,05 to 70 m	0,05 to 60 m	0,05 to 100 m	0,05 to 100 m	0,05 to 200 m	0,05 to 200 m
Measuring range tilt sensor			$\pm 45^\circ$	$\pm 45^\circ$	$\pm 45^\circ$	360°
Dimensions	122×55×28 mm	111×43×23 mm	127×49×27.3 mm	127×49×27.3 mm	143,5×55×30 mm	143,5×55×30 mm
Weight	159 g	90 g	149 g	150 g	195 g	205 g
Protection class	IP65	IP54	IP54	IP54	IP54	IP54
Laser class in accordance with IEC 60825-1	2	2	2	2	2	2



Spot-on measurement

The laser dot is clearly visible, therefore you always know exactly where you are measuring, which is especially useful in difficult to access places. So you can take absolutely precise measurements, even over long distances. Depending on their specification, Leica DISTO™ offer a range of calculation functions.



Multifunctional end piece

Measure from edges or out of corners – with the flip-out end piece you are equipped for every measuring situation. The sensor built into the Leica DISTO™ DXT, D3a, D3a BT, D5 and D8 automatically detects the right reference point.



Tilt sensor

The combination of angle and distance measurement available on the Leica DISTO™ D3a, D3a BT, D5 and D8 allows you to measure distances where conventional methods simply would not work. You can, e.g. quickly and efficiently determine horizontal distances to objects, even over obstructions. With the Leica DISTO™ D8 you can measure the height of a tree, even though it has no reflective points.



Digital Pointfinder and colour display

The integrated digital Pointfinder of the Leica DISTO™ D5 and D8 with a 4x zoom and 2.4" colour display makes finding the target at long distances much easier. Its high resolution capability provides a sharp crystal clear image, which allows measurements to be taken even in glaring sunshine.



Bluetooth® Technology

With the integrated Bluetooth® technology of the Leica DISTO™ D3a BT and D8, measurement results can be wirelessly and accurately transferred to Pocket PCs and PCs. Thus you can easily process your data in Excel®, Word®, AutoCAD® and other programs.

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.



Leica Lino P3
The 3-point laser for easy
and perfect plumbing



Leica Lino L2
The line laser for
perfect alignment



Leica Lino P5
The classic layout tool



Leica Lino L2P5
The "All-in-One" point
and line laser solution

Technical Data	P3	P5	L2	L2P5
Art. no.	777067	777068	757225	777069
Measuring range	up to 15m (dependent on the lighting conditions)			
Range with detector			> 30m	> 30m
Levelling accuracy @ 5 m	$\pm 1,5\text{ mm}$	$\pm 1,5\text{ mm}$	$\pm 1,0\text{ mm}$	$\pm 1,5\text{ mm}$
Self-levelling range	$4^\circ \pm 0,5^\circ$	$4^\circ \pm 0,5^\circ$	$4^\circ \pm 0,5^\circ$	$4^\circ \pm 0,5^\circ$
Laser class in accordance with IEC 60825-1	2	2	2	2



Plumbing

Leica Linos are perfect for plumbing. The laser beam is projected above and below the instrument, allowing you to transfer reference points quickly and efficiently, e.g. from floor to ceiling. (Leica Lino P3, P5, L2P5)



Setting out right angles

The laser points and lines projected by Leica Linos are at exact right angles to one another. This greatly simplifies setting out tasks and makes your interior fitting-out more precise and efficient. (Leica Lino P5, L2P5)



Horizontal and vertical alignment

Spirit levels and string lines have had their day. Leica Linos have taken over, e.g. for very conveniently transferring reference points from one wall to another on the opposite side of the room, or for ensuring that tile joints in walls and floors meet up accurately. (Leica Lino L2, L2P5)



Working in very bright environments

The Leica Linos' Pulse function is not just an energy-saving mode: it also allows you to locate the laser lines using a laser detector, even in very bright lighting conditions. A series of acoustic signals from the detector indicates the precise position of the laser beam plane. (Leica Lino L2, L2P5)



Expanded range of applications

The adapter supplied with Leica Linos positions the instrument quickly and with absolute precision. You can set up the adapter over edges and profiles, attach it to circular columns or fix it to steel or iron pipes with the integrated magnets. (Leica Lino P3, P5, L2P5)

Leica Roteo Family

Versatile rotating lasers

The excellent visibility and high accuracy of the rotating laser dot are important quality features for our customers. Along with Power Range Technology™, they make the Leica Roteo family stand out from the rest.

■ 90° plumb beam

For alignment over a control point and creating 90° angles

■ Fully automatic laser

No complicated setting-up required. The Leica Roteo can automatically self-level to compensate for tilts of up to $\pm 4.5^\circ$

■ Simple to operate

Easily comprehensible symbols and logical key assignments on the laser, remote control and detector



Leica Roteo 20HV
The basic model



Leica Roteo 25H
Horizontal laser with laser receiver



Leica Roteo 35
The all-in-one rotating laser



Leica Roteo 35G
With a green beam

Best visibility
Green Laser

Technical Data	Roteo 20HV	Roteo 25H	Roteo 35	Roteo 35G
Art. no.	772 789	772 788	765 752	772 787
Range	up to 300m (diameter) with laser receiver			
Self-levelling accuracy	$\pm 3 \text{ mm}$ at 30 m			
Self-levelling range	$\pm 4,5^\circ$			
Battery life	up to 160 hours (alkaline batteries)	50 hours (rechargeable), up to 160 hours (alkaline batteries)	50 hours (rechargeable), up to 160 hours (alkaline batteries)	25 hours (rechargeable), up to 40 hours (alkaline batteries)
Spray proof / dust protected	IP54			
Laser class in accordance with IEC 60825-1	3R			



Installing ceilings and walls

Using the motorised wall mount, the Leica Roteo 35/35G is easily moved up or down on the wall for ceiling grid installation. Align ceilings and drywalls in record time by working more efficiently.



Marking out right angles

The Leica Roteo family is also a great help in the vertical plane. The combination of a vertical 360° reference plane and plumb beam simplifies layout. Allowing you to work accurately and efficiently on interior works.



Aligning partitions and windows

The Leica Roteo's highly visible laser beam eases the task of aligning furniture and fittings. For particularly long distances and in very bright lighting conditions, the laser line can also be easily located using the laser detector.



Stairs and roof pitches

You can position the Leica Roteo 35/35G manually or by means of the wall mount bracket at any angle between 0° and 90°, allowing you to work without any problems on stairs and roof pitches.



Positioning drywall components

The convenient combined remote control/detector for the Leica Roteo 35/35G quickly finds the rotating reference laser beam and acts as a target plate. A series of acoustic signals indicates the precise position of the laser beam plane.

Leica Jogger 20/24

Automatic levels – ready for service, anytime

The Leica Jogger 20/24 are your ideal partners for such jobs as setting out road lines, levelling areas or measuring profiles.



- Compensator with air damper
- Endless lateral fine operation on both sides
- Graduated circle with 360° graduation
- Choice of magnification: 20x or 24x

Technical data	Jogger 20	Jogger 24
	Art. no. 762 263	Art. no. 762 264
Magnification	20x	24x
Standard deviation (per 1 km double levelling)	2,5 mm	2,0 mm
Measuring angle	360°	360°
Spray proof / dust protected	IP54	IP54

Leica Sprinter 50

Error-free levelling at the push of a button

With the Leica Sprinter 50 you measure reliably, without errors. Simply point at the staff, focus and press the red button. You're done! Height and distance are read digitally and immediately displayed.



- User friendly 1-key operation
- Rapid height and distance results
- Error-free measurement with integrated sensor
- Reliable measurements – even in the twilight
- Magnetically damped pendulum compensator

Technical Data	Sprinter 50
	Art. no. 762 628
Height accuracies - Electronic measurement - Optical measurement - Single staff reading	Standard deviation height measurement per 1 km double run With Sprinter aluminum barcode staff: 2.0 mm With standard aluminum E-scale/Numeral staff: 2.5 mm Standard deviation: 0.6 mm (electronic) and 1.2 mm (optical) at 30 m
Distance accuracies	Standard deviation distance measurement 10 mm for $D \leq 10$ m and (Distance in m x 0.001) for $D > 10$ m
Range	2–100 m (electronic)
Telescope (optical)	24x
Water proofed / dust protected	IP55

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.

Laser detector and remote control



LLD2 Laser detector

Art. no. 758 448

With acoustic/optical signal to locate the Leica Lino L2 red laser line outdoors

R250 Laser detector

Art. no. 772 793

For locating the red reference laser beam, with clamp for the Leica Roteo 20HV/25H/35

RRC350 Combined remote control/detector

Art. no. 762 771

For locating the red reference laser beam, with clamp for the Leica Roteo 20HV/25H/35

RC350 Remote control

Art. no. 762 770

For operating all Leica Roteos

Tripod and Clamp Rod



Tri100 Tripod

Art. no. 757 938

Quality tripod with very easy fine adjustment, for Leica DISTO™ D3a/D3a BT/D5/D8 and Lino L2

CET103 Crank-head tripod

Art. no. 768 033

Quality aluminium tripod with quick-release clamps, level and shoulder strap for all Leica Roteos

CTP104D Aluminium tripod

Art. no. 767 711

Medium-weight aluminium tripod with shoulder strap and quick-release clamps for the Leica Roteo

CTP106 Aluminium tripod

Art. no. 767 712

Light tripod with shoulder strap and side clamp screws for Leica Jogger 20/24 and Sprinter 50

CLR290 Clamp Rod

Art. no. 761 762

With mounting platform for simple and quick setting up between ceiling and floor, for Leica Lino L2 and all Roteos

Staffs



CLR101 Telescopic staff

Art. no. 727 587

4 m long, 4-section, front face E-graduation, rear face mm-graduation, for Leica Jogger 20/40

GSS111 Dual face levelling staff

Art. no. 741 882

5 m, 4-section, Sprinter barcode/cm E-graduation, bull's-eye bubble and carrying bag, for Leica Sprinter 50

GSS112 Dual face levelling staff

Art. no. 746 613

4 m, 4-section, Sprinter barcode/cm E-graduation, bull's-eye bubble and carrying bag, for Leica Sprinter 50

Target plates



GZM26 Target plate, DIN A4

Art. no. 723 385

210 X 291 mm, white side for shorter distances, brown side for longer distances, for all Leica DISTOs™

GZM27 Target plate set

Art. no. 723 774

147 x 98 mm stick-on with kneading adhesive, for all Leica DISTOs™

GZM30 Target plate set

Art. no. 766 560

197 x 274 mm for setting-up on floor marks, for all Leica DISTOs™

More practical accessories



GLB30 Laser glasses

Art. no. 780 117

With three different lens types: for laser visibility glasses, safety glasses and sun protection glasses.

LSA360 Adapter

Art. no. 769 459

For clamping to a pole or Leica Tri100 tripod for Leica DISTO™ D3a/D3aBT/D5/D8

Wall mount bracket

Art. no. 758 839

Universal application thanks to screw fixing (1/4" screw) for Leica Lino L2

Battery charger

Art. no. 782 669

4 rechargeable batteries (type AA) included

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 Stamp

www.leica-geosystems.com

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