

# Leica DISTO™

The original laser distance meter

3x digital zoom  
**NEW**  
tilt sensor



 **SWISS** Technology  
by Leica Geosystems



- when it has to be **right**

**Leica**  
Geosystems

# Why do you make your life so miserable?



## There is an alternative:

- **Quick and efficient**

Just press the button and measure. One person measuring that saves you both time and money.

- **Precise and reliable**

Measure up to 200 meters with millimeter accuracy.

- **Safe**

Avoid hazardous measuring procedures. Measure safely with a Leica DISTO™!

Measure with:



Range up to 200 m				✓
Power Range Technology™				✓
Laser accuracy				✓
Measure hard to reach areas				✓
One-person measuring	✓	✓	✓	✓
Memory function			✓	✓
Area/volume calculation			✓	✓
Integrated level				✓

# Measure with Leica DISTO™: Easy, quick and precise

- **Versatile**

Measure indoors, outdoors  
and hard to reach areas.

- when it has to be **right**

**Leica**  
Geosystems

# Leica DISTO™ A2

**The Handy One –  
for indoor applications**

The compact and handy base model was specifically designed for indoor applications. Shortcut keys for addition, subtraction, area and volume calculation make measuring fast and very reliable. As with all Leica laser distance meters, the laser dot is clearly visible. You can always see your targeting point, even if the target object is in a hard to access area. Leica DISTO™ A2 – you will never need to use a measuring tape again!

**Precise measuring: fast and easy –  
fits into every pocket!**





Staking out equal distances was never easier. The instrument beeps as soon as a preset distance or a multiple thereof is reached.



Measure distances in seconds with millimetre accuracy.

Features	Your advantages
Measuring range 0.05 m/0.16 ft up to 60 m/197 ft; typ. accuracy $\pm 1.5$ mm/ $\pm 0.06$ in	Precise, fast and reliable indoor measurements
Handy size	Handy, fits into every pocket
Shortcut keys	Easy-to-use shortcut keys
Illuminated 2-line display	Measured values can be read even in the dark
Ergonomic	The instrument is easy to hold and the keys can be very ergonomically reached
Stake out function	Stake-out equal distances

#### Small and handy

The Leica DISTO™ A2 is easy to hold and very ergonomical. It fits into every pocket.



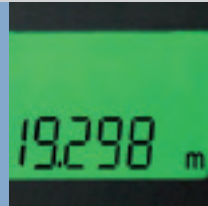
#### Easy to operate

It could not be any easier – point the laser beam at the target, press the DIST-key and read the measured value.



#### Illuminated display

Makes measured values easy to read, even in the dark.



# Leica DISTO™ A3

**The Robust One –  
the indoor specialist with outdoor aspirations**

Robustness and easy handling are the defining characteristics of this instrument. In addition to the well-known shortcut keys, are the minimum and maximum measurement functions, which enable horizontal and diagonal measurements e.g. in corners. The built in Power Range Technology™ permits making measurements of up to 80 m without target plates. This makes the robust one outdoor capable. To keep you from forgetting your measured values, there is also a memory function.

**Measuring made easy –  
with your robust and reliable partner!**





**Robust with IP54 – important for construction sites.**



**Heights: child's play to use with a press of a button**

Features	Your advantages
Measuring range of 0.05 m/0.16 ft up to 100 m/325 ft; typ. accuracy $\pm 1.5$ mm/ $\pm 0.06$ in	Fast and accurate measurement of distances
Power Range Technology™	Measure long distances, up to 80 m without the need for a target plate
Continuous measurement	Measuring of minimum and maximum distances, e.g. for measuring a room diagonal
4-line display	Read several measured values with a single glance
Illuminated display	Measurement readings are visible even in the dark
Integrated spirit-level function	Horizontal alignment
Targeting assistance	For lining up targets over longer distances and in open spaces
IP54	Spray water and dust proof – essential for construction sites

### Power Range Technology™

Measure distances up to 80 m even without a target plate and without moving a step.



### Simple to operate

Due to the shortcut keys addition and subtraction, as well as surface and volume calculations could not be easier.



### Integrated spirit-level function

Horizontal alignment made easy, such as for plug sockets.



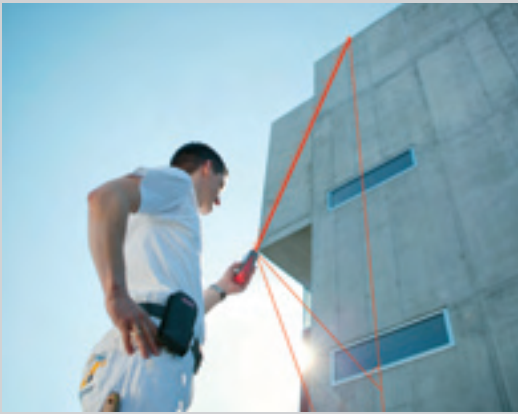
# Leica DISTO™ A5

**The Versatile One –  
For in and outdoor applications**

The Leica DISTO™ A5 model stands out thanks, both to its ergonomic design and the soft rubber grip that allows it to sit well in the hand. With the unique end-piece, wide range of additional functions and integrated viewfinder, you are fully equipped to tackle any measuring task. The most common calculating functions are quickly and easily accessed via the corresponding shortcut keys.

**Optimal functionality –  
In an ergonomic design**





**Indirect height-measurement: determine facade heights using the Pythagoras function**



**Room calculations: Pushbutton access to readings for room dimensions, wall and ceiling areas.**

Features	Your advantages
Measuring range of 0.05 m/ 0.16 ft up to 200 m/650 ft; typ. accuracy $\pm 2$ mm/0.08 in	Fast and accurate measurement of short and long distances
Power Range Technology™	Allows measuring of long distances (approx. 100 m) without target plate
Ergonomic design with soft rubber grip	Instrument fits well in the hand
Integrated telescopic viewfinder with 2-fold zoom	Essential for far away targets
Flip-out end piece with automatic detection	Reliable measurement from edges of areas or corners is carried out trouble-free
Room calculations	Maximum results with minimum effort, no more manual calculations
Indirect height-/width-measurement	Measurement of inaccessible locations
IP54	Spray water and dust proof – essential for construction sites

**Ergonomic design with soft rubber grip**  
Fits perfectly in the hand, with soft rubber grip to ensure a firm hold.



**Robust enough for outdoor use**  
The integrated optical viewfinder simplifies targeting over long distances.



**Multi-function flip-out end piece**  
The built in sensor automatically determines the correct zero point.



# Leica DISTO™ A6

**The Data Transfer One –  
for in and outdoors**

With the Leica DISTO™ A6 you are equipped to meet the demands of any situation. Measuring does not end with displaying the measured values on the Leica DISTO™ A6, the data can be electronically transferred to a Pocket PC or Laptop for immediate processing. Included in the scope of delivery is the software DISTO™ transfer. It transfers your measured data to Excel®, Word®, AutoCAD® or to other programs. Find out more about software providers with customised programs at: [www.disto.com](http://www.disto.com).

**BLUETOOTH® Datatransfer –  
for reliable measured data transfer!**






Measure distances in seconds and immediately process them on a Pocket PC or Laptop.



Take professional measurements – even hard to access areas. Anytime – competently.

Features	Your advantages
Measuring range of 0.05 m/0.16 ft up to 200 m/650 ft; typ. accuracy $\pm 1.5$ mm/ $\pm 0.06$ in	Precise, fast and reliable measurements
Power Range Technology™	Measure long distances (approx. 100 m) without target plate
Integrated telescopic viewfinder with 2-fold zoom	Essential for far away targets
BLUETOOTH® technology integrated 	Wireless and reliable data transfer to Pocket PCs and Laptops
DISTO™ transfer	Easy measured value transfer to Excel® and numerous other programs
Navigation keys	Very user friendly and direct control of the Pocket PC enables comfortable and fast measurements
IP54	Spray water and dust proof – essential for construction sites

**BLUETOOTH® wireless data transfer**  
Forget paper and pencil!



**DISTO™ transfer**  
Transfers measured data reliably to Excel®, AutoCAD® and other programs.



**Navigation keys**  
Control the cursor movement in the software with the DISTO™. Leave the pen of your Pocket PC in its holder!



# Leica DISTO™ A8

The Visionary One - for in and outdoors

The digital viewfinder and the integrated tilt sensor make the Leica DISTO™ A8 an innovation worldwide and open up completely new possibilities. Comfortably find your target with the three-fold digital zoom made even easier with the blended in crosshairs. The brightness of the greyscales display can be manually adjusted; ideal for poorly contrasting targets! The tilt sensor does not only indicate angles, but also real horizontal distances and various indirect height measurements.

**With digital zoom and tilt sensor - simply perfect!**





Measure in bright light over long distances with the help of the digital viewfinder.

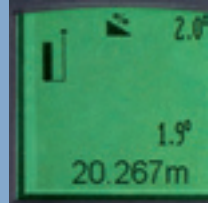


Determine the slant of a roof just by pressing a button.

Features	Your advantage
Measuring range of 0.05 m/0.16 ft up to 200 m/650 ft; typ. accuracy $\pm 1.5$ mm/ $\pm 0.06$ in	Precise, fast and reliable measurements
Power Range Technology™	Measure over long distances (approx. 100 m) without target plate
Digital viewfinder with 3-fold zoom	Easy measurements in sunshine and to far away targets
Tilt sensor	Measure tilts by setting the housing on the object
Indirect tilt measurements	Height measurements, e.g. without reflecting the laser beam through the tilt sensor
Indirect height / distance measurements	Measure to inaccessible areas – at the press of the button, more detailed information will be available
Greyscales display	Best contrast possible; 9 brightness settings available
IP54	Spray water and dust proof – essential for construction sites

#### Tilt sensor

Any tilt can be easily measured by just placing the housing on the slope.



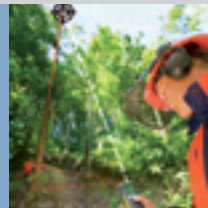
#### Digital viewfinder (3-fold zoom)

Essential for far distances and in sunshine.



#### Indirect height measurements

By using the tilt sensor and the digital viewfinder, heights can be determined in the first measurement even without reflecting the laser beam.



# Leica DISTO™

## Quality that pays!

Highest-quality levels can only be reached in co-operation with the best of partners. When all components meet the highest requirements and where professionals are at work. The results are reflected in the low rate of warranty claims - less than 0.2%

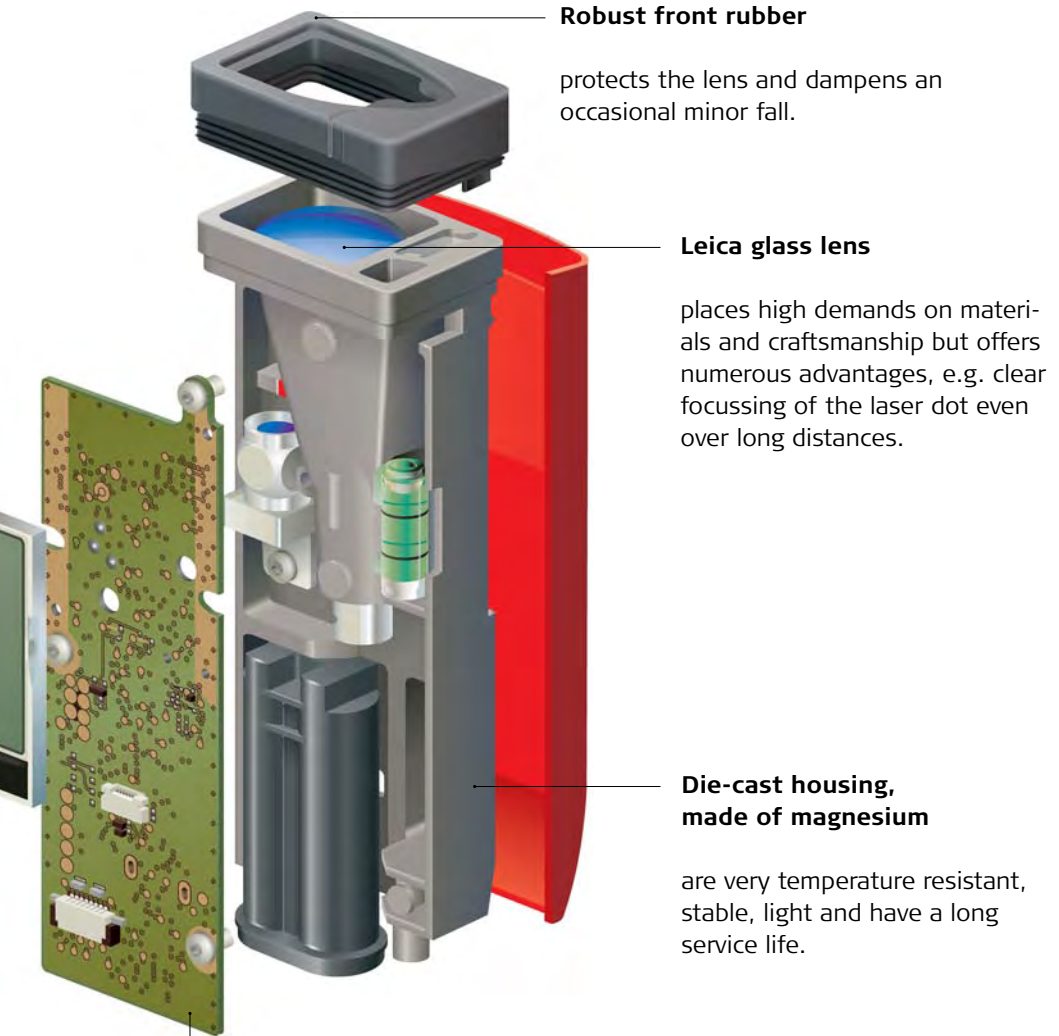
### Display

Customer oriented product features that are very useful, e.g. 4 lines of display or the illumination of the display that can be switched on and off.

### Know-how

Years of experience and still going strong. Leica is still setting milestones with innovations such as the Power Range Technology®.





**Robust front rubber**

protects the lens and dampens an occasional minor fall.

**Leica glass lens**

places high demands on materials and craftsmanship but offers numerous advantages, e.g. clear focussing of the laser dot even over long distances.

**Die-cast housing, made of magnesium**

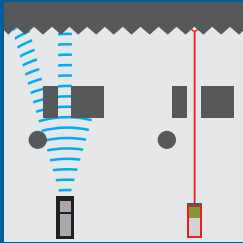
are very temperature resistant, stable, light and have a long service life.

**The environment and future orientation**

Leica Geosystems adapts the highest international standards. That is why all Leica DISTO™s have been lead-free since 13<sup>th</sup> March 2006.

# Good to know ...

## Why are laser distance meters better than ultra sonics?



Leica DISTO™s measure with laser – exactly and over hard to reach areas. Ultra sonics measure with sound waves, which spread out conically

and give only an indicative result as opposed to an accurate measurement. Sonics are affected by objects that appear within the measurement cone and do not operate well outdoors. Normal measurement range of an ultra sonic instrument is 20 m while a Leica DISTO™ measures up to 200 m with high accuracy.

## Is the laser beam harmful?

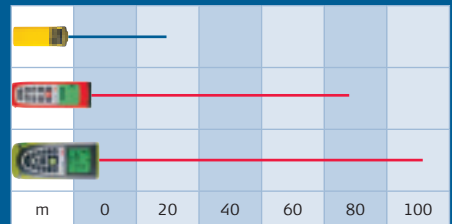
No. Our instruments are laser class II. Under normal circumstances your eyes are protected by aversion responses such as the blink reflex.

## What is the warranty for my Leica DISTO™?

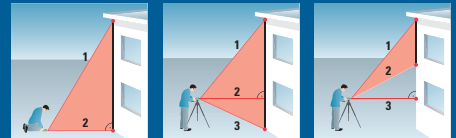
Leica Geosystems AG offers a warranty of 24 months from date of purchase. Should you have a warranty related problem with your instrument during this time, please contact your authorised dealer who will exchange it. Customer oriented, fast and unbureaucratic.

## What advantage does the Power Range Technology™ bring?

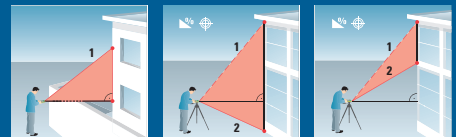
Simple: while other instruments may measure up to 20 m or at best up to 40 m, the Power Range Technology™ lets you easily measure up to twice the distance:



## When do I need the Pythagorean function?



Whenever distances cannot be measured directly, e.g. if a target point is missing such as with a flat roof. The Leica DISTO™ A8 offers even more measuring options with the integrated tilt sensor. Thanks to this function you can measure indirect distances in a similar fashion to the Pythagoras function, however instead of 3 distance measurements, the tilt is measured. Ideal whenever no direct target point is available:



## Which Leica DISTO™ do I need?



Upgrade	A2	A3	A5	A6	A8
Handy	•	•	•	•	•
Calculating functions	•	•	•	•	•
Illuminated display	•	•	•	•	•
Power Range Technology™		•	•	•	•
Recall last values		•	•	•	•
4-line display		•	•	•	•
IP54		•	•	•	•
Room calculation			•	•	•
Range (max 200 m)			•	•	•
Multifunctional endpiece with automatic recognition			•	•	•
Numerous functions, e.g. indirect height measurements			•	•	•
2-fold optical telescopic viewfinder			•	•	
3-fold digital viewfinder					•
Bluetooth and software				•	
Tilt sensor					•
Indirect measurements with tilt sensor					•

# Leica DISTO™ Accessories



①



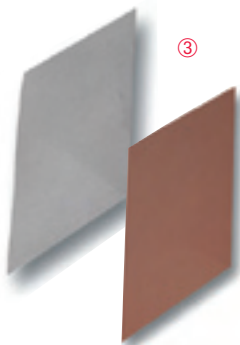
④



②



⑤



③

- ① **Softbag**  
Art. No. 667169  
For storage of your accessories.
- ② **Stick-on target plates**  
Art. No. 723774  
For fixing on corners and edges.
- ③ **Target plate A4**  
Art. No. 723385  
Recommended from 50 m.
- ④ **Laser glasses**  
Art. No. 723777  
For better visibility of the laser dot outside.
- ⑤ **Arm holster for Pocket PC**  
Art. No. 739200  
Allowing handsfree operation.

**CAUTION**  
LASER RADIATION - DO NOT  
STARE INTO BEAM  
620-690nm/0.95mW max.  
CLASS II LASER PRODUCT

Laser class II  
in accordance with  
FDA 21CFR Ch.1 § 1040

Laser class 2  
in accordance with  
IEC 60825-1 and EN 60825-1



**Total Quality Management -  
our commitment  
total customer satisfaction**

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- when it has to be **right**

**Leica**  
Geosystems

## All Leica DISTO™s at a glance

Technical Data	A2	A3	A5	A6	A8
Typical measuring accuracy	± 1,5mm	± 1,5mm	± 2mm	± 1,5mm	± 1,5mm
Range	0,05 m – 60 m	0,05 m – 100 m	0,05 m – 200 m	0,05 m – 200 m	0,05 m – 200 m
Power Range Technology™		•	•	•	•
Distance in m Ø of the laser dot in mm	10, 50, 100 m 6, 30, 60 mm				
Minimum / maximum measurements		•	•	•	•
Continuous measurement	•	•	•	•	•
Addition / subtraction	•	•	•	•	•
Area/volume measurements	•	•	•	•	•
Room calculation			•	•	•
Indirect measurement with Pythagoras			•	•	•
Indirect measurement with tilt sensor					•
Tilt sensor Accuracy to the laser beam Accuracy to the housing					± 0.15° ± 0.3°
Units in the tilt sensor					± 90°; ± 180°; 360°; 0.00%; 0.0mm/m; 0.00 in/ft
2-fold optic telescopic viewfinder			•	•	
3-fold digital viewfinder					•
Store constant values			1	1	1
Recall last values		19	20	20	30
Time delay release			•	•	•
Display illumination	•	•	•	•	•
Measuring units	0,000 m, 0.00 ft, 0' 00" 1/16, 0.0 in	0,000 m, 0.00 m, 0.00 ft, 0.00 1/16 ft in, 0' 00" 1/16, 0.0 in, 0 1/16 in	0,000 m, 0.00 m, 0 mm, 0.00 ft, 0.00 1/32 ft in, 0' 00" 1/32, 0.0 in , 0 1/32 in	0,000 m, 0.00 m, 0 mm, 0.00 ft, 0.00 1/32 ft in, 0' 00" 1/32, 0.0 in , 0 1/32 in	0,000 m, 0.00 m, 0 mm, 0.00 ft, 0' 00" 1/32, 0.00 1/32 ft in, 0.0 in, 0 1/32 in
Free software				•	
Data interface				BLUETOOTH™	
Measurements per set of batteries	up to 5.000	up to 10.000	up to 15.000	up to 15.000 (reduced in BLUETOOTH operating mode)	up to 5.000 measurements
Multifunctional endpiece			•	•	•
Built in bubble level		•	•	•	•
Tripod thread			•	•	•
Batteries	9V compact battery	Typ AAA 2x1,5V	Typ AA 2x1,5V	Typ AA 2x1,5V	Typ AA 2x1,5V
Spray proof / dust protected IP54		•	•	•	•
Dimensions	124x54x35 mm	135x45x21 mm	148x64x36 mm	148x64x36 mm	148x64x36 mm
Weight with batteries	155g	145g	241g	270g	280g



**Michael Stein**  
(Site manager)

“Especially on a building site you have to be fast, and here my Leica DISTO™ has more than paid off.”



**Dipl. Ing. Karin Aicher**  
(Architect)

“I have been working with Leica’s laser distance meters for years. Quality and reliability convinced me over and over again.”



**Julius Sanges**  
(Construction supervisor)

“At last there is an instrument with which I can measure distances and tilt. And it is small enough to fit into my pocket. Simply ideal!”

Dealer Stamp

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