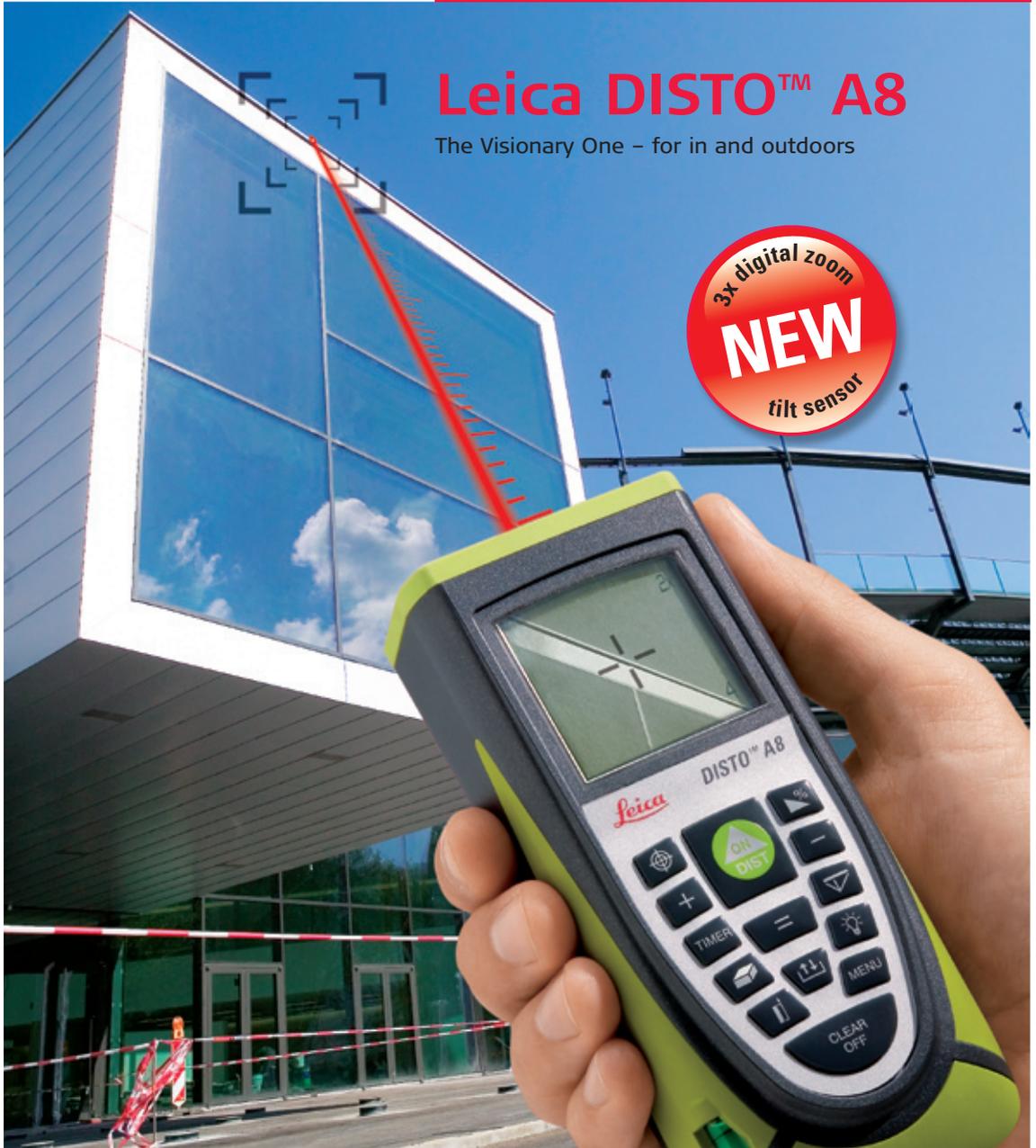


# Leica DISTO™ A8

The Visionary One – for in and outdoors



 **SWISS** Technology  
by Leica Geosystems

- when it has to be **right**

**Leica**  
Geosystems

# Leica DISTO™ A8

## The Visionary One – for in and outdoors

A laser distance meter combined with a 3-fold digital zoom and a tilt sensor – these are the reasons that make the Leica DISTO™ A8 an innovation worldwide. The instrument is ideal for indoors as well as for outdoors with the latest in metering technology:

- Measure up to 200m
- Power Range Technology™
- 3-fold digital zoom
- Integrated tilt sensor
- Indirect measurements, even if no target can be aimed at!

### Find the target with 16 greyscales and crosshairs

When measuring over long distances, a digital zoom is essential as only in this way you can find your target in any weather. Aim at the target with the 3-fold digital zoom supported by the blended in crosshairs. The brightness of the display has 9 manually adjustable settings and the greyscales display provides ideal contrast: ideal on sunny days!



**Optimally user friendly  
with perfectly arranged  
symbols**

— Blended in zoom level

— Crosshairs

— Adjustable brightness  
settings 1-9

**Optimal display size**

**Power Range Technology™**

With this technology you can measure distances up to 100 meter without any aid. With a target plate you can even measure up to 200 meters! To be able to measure accurately over such distances, we recommend using a tripod to prevent shaking.



**Multifunctional endpiece with  
automatic endpiece recognition**

It does not matter whether you are measuring from corners, edges or if you can aim the instrument straight at the target. With this endpiece you will be prepared to take measurements from any position.



**Indirect measurements**

Comfortably determine the height and width of a building from a distance. Indirect measurements can easily be made in bright and reflecting light. A tripod provides a stable measuring platform.



**Obstacles? There are no such  
things anymore!**

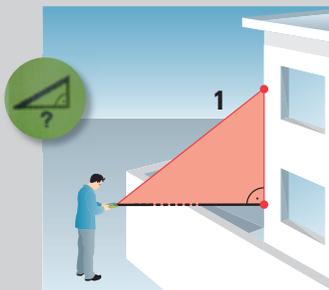
Roof ridges or room diameters can easily be measured even over obstacles. Even the height of fenced-in buildings can now be measured without entering the yard. More information is on the next page.



# Leica DISTO™ A8

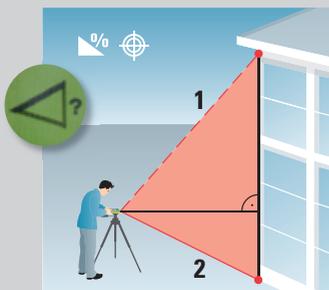
Always reach your measuring targets

## Indirect tilt measurement



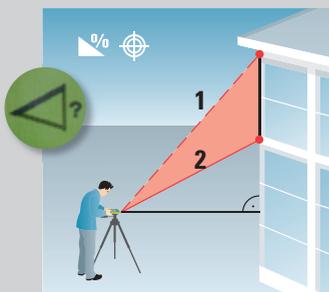
### Single tilt measurement

Whenever the laser dot cannot reach a target, then the desired horizontal distance can be determined by a tilt measurement. This is ideal for construction sites or parcels of land where obstacles prevent horizontal targeting.



### Double tilt measurement

The height of buildings (flat roof, glass facades or strongly reflecting surfaces) can be determined with a double tilt measurement. First aim at the upper part of the object with the digital zoom, trigger a tilt measurement. Then point the laser to the lower point and trigger a distance measurement. The instrument also automatically measures the tilt and displays the desired distance.



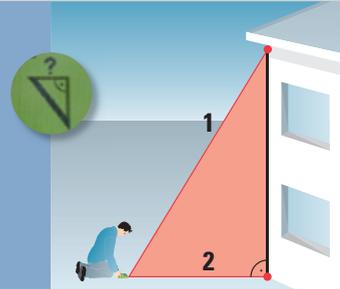
### Double tilt measurement (partial height)

To measure partial heights of buildings with poorly reflecting surfaces. If the second measurement lies above the horizontal distance, then a partial height measurement is automatically calculated.

## Indirect Pythagoras measurement

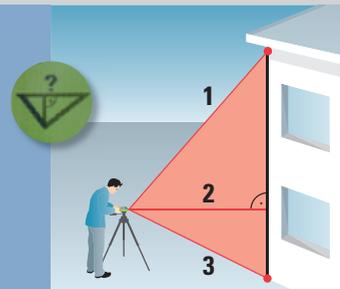
### Single Pythagoras measurement

With two measurements, horizontal or even vertical distances can be determined indirectly. It is important that the second measurement is taken at a right angle – a child's play with the minimum measurement function.



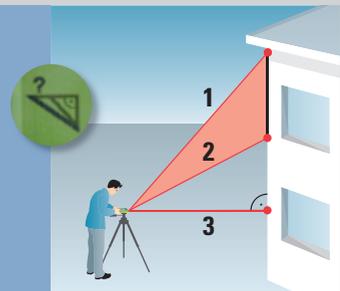
### Double Pythagoras measurement

Similar to the double indirect measurement with the tilt sensor, buildings can be measured from a distance, also. The difference lies in the fact that you now have a reflecting target. With 3 measurements the Leica DISTO™ A8 then calculates the result. The automatic minimum and maximum function helps you in finding the correct measuring point.



### Double Pythagoras measurement (partial distance)

Here, a reflecting target is required in order to calculate the partial height. The double Pythagoras measurement is practical in determining the height of balconies or windows and can be taken horizontally and vertically.



# Leica DISTO™ A8

A multi-talent for any situation

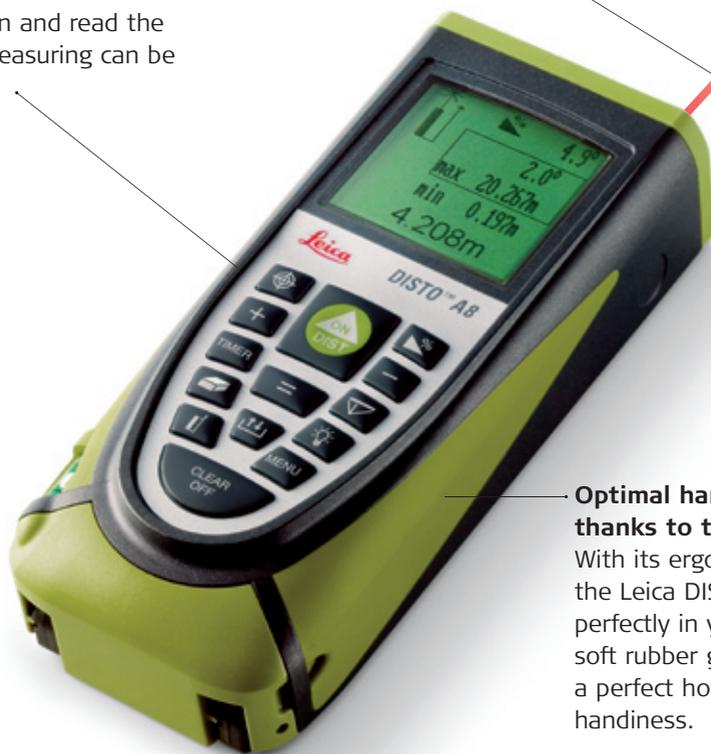
## Tilt measurement with the housing

Thanks to the integrated tilt sensor, not only distances can be measured. The Leica DISTO™ A8 can also indicate tilt: select the tilt function, set the instrument down and read the result – measuring can be this easy.

## Tilt measurement with the continuous laser

Mount the Leica DISTO™ A8 firmly on a tripod, switch on the continuous laser through the menu

and mark a straight line with the visible laser beam.



## Optimal handiness

thanks to the **Soft grip**  
With its ergonomic design, the Leica DISTO™ A8 fits perfectly in your hand. The soft rubber grip provides for a perfect hold and optimal handiness.

# Leica DISTO™ A8

The visionary one – at a glance



Technical Data	A8
Typical measuring accuracy	± 1,5 mm / 0.06 in
Range	0,05 – 200 m / 0.16 – 650 ft
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%; 0.0 mm/m; 0.00 in/ft
3-fold digital zoom	•
Store constant value	1
Recall last value	30
Time delay release	•
Display illumination	•
Measuring units	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
Measurements per set of batteries	up to 5.000 measurements
Multifunctional endpiece	•
Built in bubble level	•
Tripod thread	•
Batteries	Typ AA 2x1,5V
Spray proof / dust protected IP54	•
Dimensions	148x64x36 mm
Weight with batteries	280g



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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**Julius Sanges**  
(Construction supervisor)

„On construction sites I have to take measurements day after day, whether it is raining, windy or in sunshine. With the Leica DISTO™ A8, I am well equipped in all situations.“



**Ueli Weder**  
(Forester)

„The Leica DISTO™ A8 makes me feel secure even in dangerous situations – and there are many in forestry.“



**Andreas Rottensteiner**  
(Carpenter)

„At last there is an instrument with which I can measure distances and tilt. Yet, it is so small that it fits into my pocket. I can only recommend it.“

Dealer Stamp

Blank area for Dealer Stamp

[www.disto.com](http://www.disto.com)

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