

# Leica DISTO™ D5

Measure distances  
and much more



- when it has to be **right**

**Leica**  
Geosystems

Leica DISTO™

# D5

WORLD FIRST:  
DIGITAL POINTFINDER  
WITH 4x ZOOM!

## Can it reach that far?

The Leica DISTO™ D5 is designed with many functions and features to make measuring easier, particularly when you are working outdoors.

- Its large, high resolution colour display presents the measurement results and additional information in an easy to read format.
- A host of functions help you quickly and precisely to resolve almost any measurement situation.
- A robust housing gives optimum protection against splash water and dust.





### Digital Pointfinder

The integrated digital Pointfinder 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.



### Tilt sensor

Thanks to the in-built tilt sensor, you can quickly and simply measure tilts up to  $\pm 45^\circ$ . The tilt sensor also allows you to measure absolutely horizontally or measure past obstructions (horizontal distance).



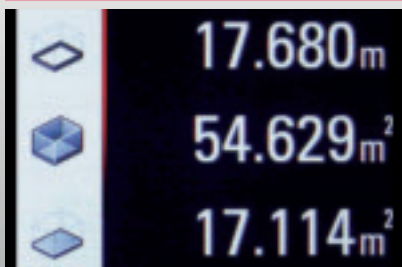
### Power Range Technology™

The integrated Power Range Technology™ allows you to measure long distances very simply. Measure up to 100 m without a target plate, and even up to 200 m using a target plate, without having to take a single step.



### Spot-on measurement

The laser makes it possible! 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.



### Details displayed

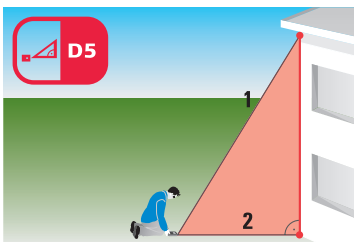
Additional information about the measurements, e.g. room dimensions or angles, is available at the touch of a button.

# Leica DISTO™ D5

## The perfect way to achieve your measurement goals

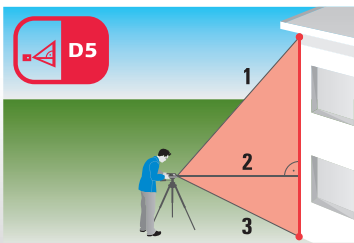


### Indirect Pythagorean measurement



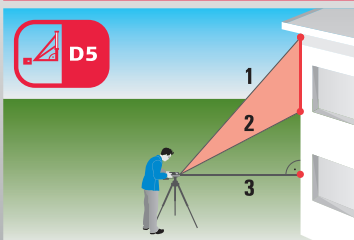
#### Single Pythagorean measurement

Just two measurements are enough to indirectly calculate the horizontal or vertical distances. It is important to ensure the 2<sup>nd</sup> measurement is at right angles to the target object – easy with minimum measurements.



#### Double Pythagorean measurement

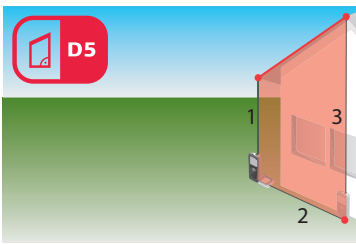
Using a tripod you can measure horizontal and vertical distances. The Leica DISTO™ determines the results for you out of three measurements. Functions such as minimum and maximum measurement help you find the correct measuring point.



#### Double Pythagorean measurement (chain values)

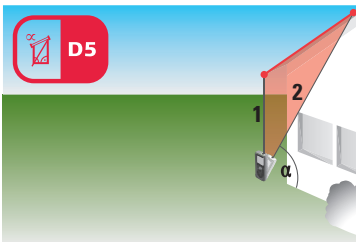
With just three measurements, you can also determine partial heights, e.g. balcony or window heights. This is, of course, possible horizontally and vertically.

## Special functions



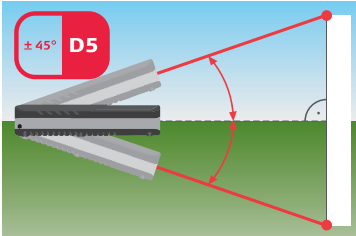
### Trapezium function

The trapezium function is used to quickly and safely determine roof slopes and frontage areas, for example. You only need to take three measurements, and the result appears on the display.



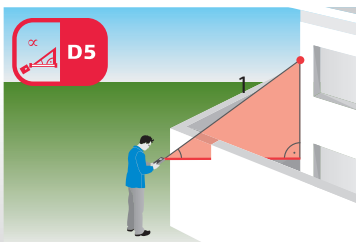
### Trapezium function with tilt sensor

If access to the object to be measured is limited and measurements can only be taken from one position, then this is no problem – thanks to the integral tilt sensor. This trapezium function can also be used to quickly and safely determine roof slopes and frontage areas.



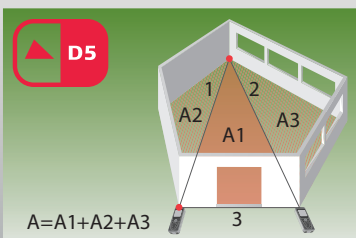
### Tilt measurement

The tilt sensor measures tilts up to  $\pm 45^\circ$  and a typical use is for determining the pitch of a roof. When measuring tilts, the instrument should be held in the horizontal position ( $\pm 10^\circ$ ).



### Horizontal distance

The tilt measurement allows you to determine the desired horizontal distance, even if the object cannot be directly targeted. This is particularly useful when obstructions like walls or hedges stand in the line of sight.



### Triangle function

The triangle function helps you quickly and efficiently to arrive at the area of a multi-cornered room. Divide the room into imaginary triangles. Then use three measurements to determine the areas of each of the triangles, which you can add together as you proceed. Finally all you have to do is read off the result.

$$A = A_1 + A_2 + A_3$$

# Delivery package and accessories



Leica DISTO™ D5 delivery package

## DISTO™ accessory range



**Softbag**  
Art. No. 667169



**Arm holster**  
Art. No. 739200  
For Pocket PCs



**Laser glasses**  
Art. No. 723777  
For better visibility of the laser dot outside.



**GLK 25 charger with rechargeable batteries, EU version, Art. No. 741905**

**4 rechargeable batteries**  
Art. No. 741897



**Stick-on target plates**  
Art. No. 723774  
(45 mm x 100 mm)  
For fixing on edges



**Stick-on target plates**  
Art. No. 766560  
(197 mm x 274 mm)  
For placing on ground markers



**Target plate**  
Art. No. 723385  
DIN A4 with two different surface



**Tripod**  
Leica TRI 100  
Art. No. 757938  
Quality tripod with very easy fine adjustment.



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

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

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<b>Functions</b>	<b>D5</b>
Minimum / maximum measurements	✓
Continuous measurement	✓
Addition / subtraction	✓
Area / volume measurements	✓
Room dimensions	✓
Indirect measurement with Pythagoras	✓
Horizontal distance past obstructions	✓
Trapezium measurements	✓
<b>Technical Data</b>	
Typical measuring accuracy	± 1.0 mm
Range	0,05 to 200 m
Power Range Technology™	✓
Distance in m Ø laser-spot in mm	10, 50, 100 m 6, 30, 60 mm
Tilt sensor	
Measurement range	± 45°
Accuracy to laser beam	± 0,3°
Accuracy to housing	± 0,3°
Units in tilt sensor	0,0°, 0,00%, mm/m, in/ft
4-fold digital viewfinder	✓
Store constant value	1
Recall last values	20
Time delay release (timer)	✓
Display illumination	✓
Measuring units	0,0000m, 0,000 m, 0,00 m, 0,00 ft, 0' 00" 1/32, 0,00 in, 0 1/32 in, 0,000 yd
Measurements per battery set	up to 5.000
Multifunctional end piece with automatic detection	✓
Metal tripod mounting thread	✓
Batteries	Typ AA 2x1,5V
Spray proof / dust protected IP54	✓
Dimensions	143,5x55x30 mm
Weight with batteries	195g



**Detlef Foht (Crane Driver)**

"I often have to measure long distances on site. Therefore I find the Leica DISTO™ D5 with its digital Pointfinder extremely useful."



**Wilfried Fink (Joiner)**

"An instrument that measures distances and tilts, is robust and still fits into my pocket. Pure genius!"