Leica DISTO™ D3

The multi-talented instrument
for interior application

SWISS *Technology*
by Leica Geosystems

- when it has to be **right**

Leica
Geosystems

Measure distances and tilts

Simple, quick and reliable

The Leica DISTO™ D3 is a multi-functional instrument to ensure simple, quick and reliable measurements. You can measure distances with pinpoint accuracy – in spite of nearby obstructions – and determine angles quickly and precisely. The small, elegant Leica DISTO™ D3 is a reliable instrument to suit every pocket.

Clear display
4-line display shows everything at a glance

Secure hold
Softgrip and ergonomic design

Simple to use
Perfectly sized buttons

Quick
Direct keys for main functions

Robust
Protected against spray water and dust (IP 54)

Handy size
125 x 45 x 24 mm

Tilt measurement

The instrument's inbuilt tilt sensor quickly and simply determines tilts up to ± 45°. The tilt sensor can also provide you with true horizontal distances. Reliable measurements are therefore guaranteed.

Multifunctional end piece

Aim the instrument straight at the target point, whether measuring out of corners, slots or from edges: with this end piece you are prepared for all measuring situations. The instrument detects the end piece automatically, which helps you avoid expensive measuring errors.

Automatic keypad and display illumination

An built-in sensor detects if the environment is dark and switches on the illumination of the keypad and display. You can also measure in the dark without any problem.

Multiple functions

The Leica DISTO™ D3 can also calculate areas, volumes, room dimensions and various types of Pythagorean functions. A time delay release and enough memory for up to 20 measurements finish off the instruments wide range of functions – a concept designed to make your work easier.

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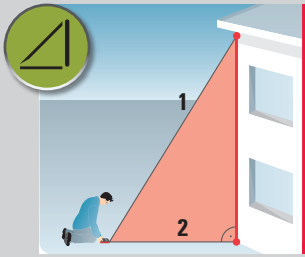
Leica DISTO™ D3

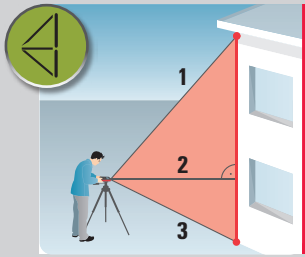
The perfect way to achieve your measurement goals

Indirect Pythagorean measurement



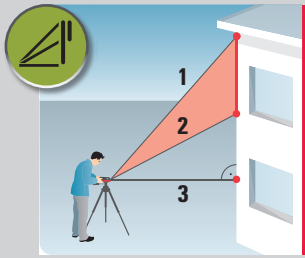
Single Pythagorean measurement

Just two measurements are enough to indirectly calculate the horizontal or vertical distances. It is important to ensure the 2nd 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™ D3 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 three measurements you can determine partial heights, e.g. window heights. Possible for horizontal and vertical distances.

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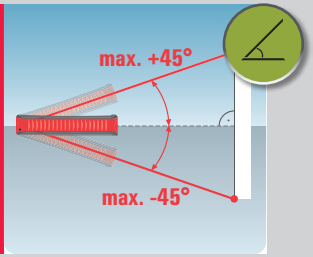
Indirect tilt measurement

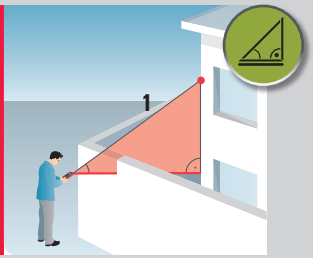
Tilt measurement

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



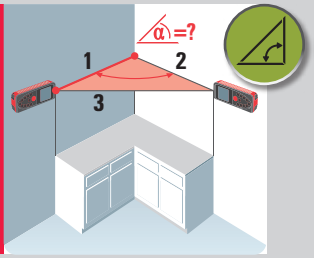
Horizontal distance

The tilt measurement function allows you to determine a horizontal distance even if the target point is not directly visible. This is particularly useful when there are obstructions, e.g. walls directly between you and the target point.



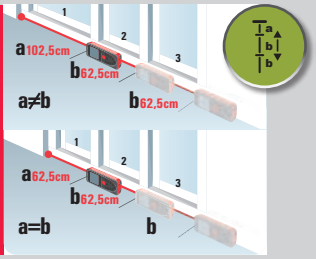
Room corner angle function

The angle in a triangle can be determined by measuring the three sides. This function is suitable for e.g. checking a right-angled room corner. First, measure the two shorter sides and then take the length of the diagonal as the third measurement. The device then displays the room angle.



Staking out function

Two different distances (a and b) can be entered into the instrument and then subtracted from specific measured lengths. This enables you to see the direction in which the Leica DISTO™ D3 must be moved, the display shows a direction arrow with the current staking-out distance. At a distance of 0.1 m to the next staking-out point the instrument gives an audible signal.



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Leica DISTO™ D3

All the talents at a glance

Technical specifications	D3
Measuring accuracy typically	±1.0 mm
Range	0.05 to 100 m
Power Range Technology™	•
Distance in m Ø laser-spot in mm	10, 50, 100 m 6, 30, 60 mm
Minimum and maximum measurements	•
Continuous measurement	•
Addition / subtraction	•
Staking-out function, multiple	•
Area / volume measurements	•
Room calculations	•
Angles	•
Indirect measurement by Pythagoras	•
Indirect measurement with tilt sensor	•
Tilt sensor Measurement range Accuracy to laser beam Accuracy to housing	 ± 45° ± 0.3° ± 0.3°
Units in tilt sensor	± 0.0°, 0.00%
Store constant value	1
Recall last values	20
Time delay release	•
Automatic keypad und display illumination	•
Measuring units	0.000 m, 0.000⁰ m, 0.00 m, 0.00 ft, 0′ 00″ 1/32, 0.0 in, 0 1/32 in
Measurements per battery set	up to 5.000
Multifunctional end piece	•
Tripod thread	•
Batteries	Type AAA 2 x 1.5V
Spray proof / dust protected IP54	•
Dimensions	125 x 45 x 24 mm
Weight with batteries	110 g

Included items: practical and clever

Holster
Stows everything away neatly

Target plate
Allows accurate measurement on a non-reflective surface.

Wrist strap
Secures the instrument at all heights

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

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Millions trust Leica quality

Whoever uses products from Leica Geosystems daily trusts their reliability, the added value they contribute and the first-class support provided by Leica Geosystems Customer Service. After more than 200 years of experience as a pioneer in the development of surveying solutions, we are able to offer specialists in many industries a broad portfolio of products for precise capture, rapid modelling and simple analysis of data as well as for visualising and presenting spatial information. Leica Geosystems ensures optimal workflows are made to measure – worldwide.

For professional outside

- Surveying engineer
- Architect
- Scaffolder
- Forestry worker
- Cabling installer
- Landscape architect
- and more

For professionals indoors

- Interior architect
- Drywall installer
- Decorator
- Electrician
- Floorlayer
- Furniture retailer
- Carpenter
- Refrigeration/heating engineer
- Plasterer
- Joiner
- Roofer
- Painter
- Bathroom installer
- and more

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Leica DISTO™ D3

Reliability is our strength

"The integrated tilt sensor helps me line up the Leica DISTO™ D3 quickly and precisely, so that the measurements I take are absolutely correct. This gives me the certainty that I need."

"I am faced with all sorts of measuring situations inside buildings, which now, thanks to the multifunctional Leica DISTO™ D3, I can deal with quickly and extremely accurately."

"Measuring out of corners, slots or from edges is a frequent task in window installation. Therefore, the Leica DISTO™ D3 with its multifunctional end piece is a real help. The instrument detects the position of the end piece automatically and does everything perfectly."

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