



The following technical datasheet is provided by Leica.

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Leica DISTO™ X3

Designed for tough, rugged conditions



The rugged Leica DISTO™ X-series combines innovative measuring technologies with a site-proof design and simple user interface. Together with the Leica DST 360, the X-series can be turned into a powerful 3D capturing station.

Robust

The precision measurement module is protected by solid rubber. The Leica DISTO™ X-series is therefore particularly resistant. It is drop-tested up to 2 m in height.

Protection class IP 65

The housing and keypad are water jet and dust protected. Cleaning the device under running water is no problem.

Tilt sensor and Smart Room

The combination of distance and tilt measurements allows you to easily determine horizontal distances with absolute precision. You can even use your measurement data to automatically generate realistic and scaled floor plans.

Rotatable display

The display automatically rotates in line with the orientation of the device; meaning you can easily read the screen from any angle.



Leica DISTO™ X3 at a glance

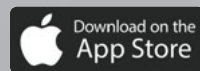
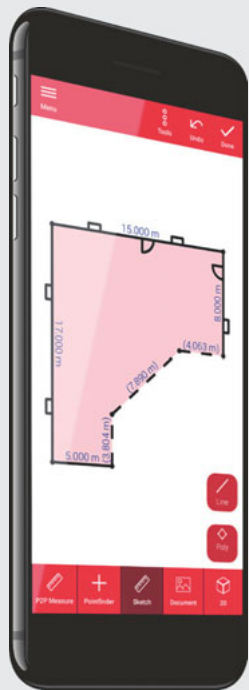


Applications		X3
General important aspects	Digital Pointfinder for outdoor measuring	
	Max. range	150m
	Accuracy	± 1 mm
	P2P functionality	●*
	Extra durable housing with IP 65 and 2m drop tested	●
Computer interface	Interfaces	
	Data transfer to DISTO™ Plan and DISTO™ compatible apps	●
	Data transfer to any software or app	●
Distances	Distance measurement from device	●
	Dimensional measurements on objects	●
	Indirect distance measurement over obstacles	●
	P2P function – any distance between 2 points	●*
Areas	Rectangular shapes (length and width)	●
	P2P – Smart Area for complex shapes	●*
	Measure in picture – facades, vertical boards	
Volume	Rectangular shapes (length, width, height)	●
Widths	Using Pythagoras Theorem	●
	Measure in picture – width measurement	
	P2P function	●*
Heights	Smart functions using distance and inclination for calculation	●
	Height profile	
	P2P function	●*
Slopes	Inclinations	●
	Smart functions using distance and inclination for calculation	
	P2P function	●*
Positioning	Continuous measuring – tracking	●
	Stake-out	●
	Plumbing, transferring heights	
	Projection of pre-defined pattern or dxf data	
Planing	P2P – dxf data capturing on device	
	Draw and measure (floor)plans	●**
	P2P – point capturing for floor plans and facades	●***
	Smart Room – measure and draw	●**
	pdf, jpg and dxf exports	●**
	Measure and document on picture	●**
Automatic scan of structures		
Usability	Touchscreen	
	Favorite keys	●
	Automatic end piece	●

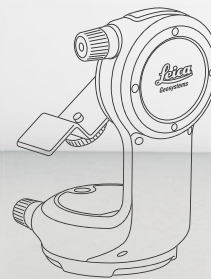
*) requires Leica DST 360 **) requires DISTO™ Plan ***) requires Leica DST 360 and DISTO™ Plan

Leica DISTO™ Plan

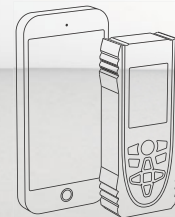
Measuring requires documentation



Leica DST 360



Leica DISTO™ Plan



The Leica DISTO™ Plan app assists you with the vital task of documenting and visualising your measurements. This way you can easily plan the next steps of your project.

Sketch Plan – create a scale drawing

Simply use your fingers to create a sketch on your smartphone or tablet. Then take corresponding measurements and assign them to the relevant lines of your sketch. The app's 'auto-scale' function automatically adjusts the lines' length and the result is a scaled drawing, showing surface area and circumference. It is that easy to produce a CAD ready floorplan.

Smart Room – plan while you are measuring

A newly integrated sensor in the Leica DISTO™ X3 makes it possible to create accurate floor plans simply by taking clockwise or counter-clockwise measurements of a room. Once all measurements

are taken, the app automatically generates the plan. Keeping records of each measurement and the angle between any two of those measurements at the same time makes it possible.

Measure Plan – create as-build plans for CAD

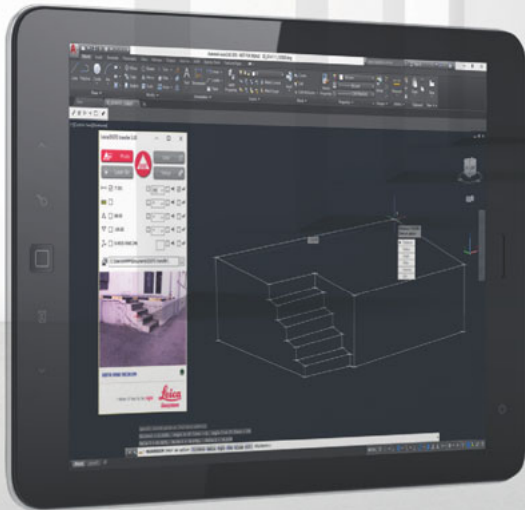
The Leica DISTO™ app supports P2P technology which makes it possible to create detailed floor or wall plans, including doors and windows. Once complete, simply export your plans as a dxf or dwg file into your preferred CAD solution.

Sketch on Photo – dimension objects in pictures

Leica DISTO™ Bluetooth® Smart technology allows you to assign distance measurements to the appropriate part of a picture taken with your tablet or smartphone. This way you can document all your measurement results and easily process them later in the office.

The world of measuring apps

Your access to your software packages



Leica DISTO™ transfer

The software Leica DISTO™ transfer makes it possible to transfer measurement data directly into AutoCAD® or BricsCAD® on site. This way you can start working within your CAD software straight away and continue to build upon documenting measurement data.

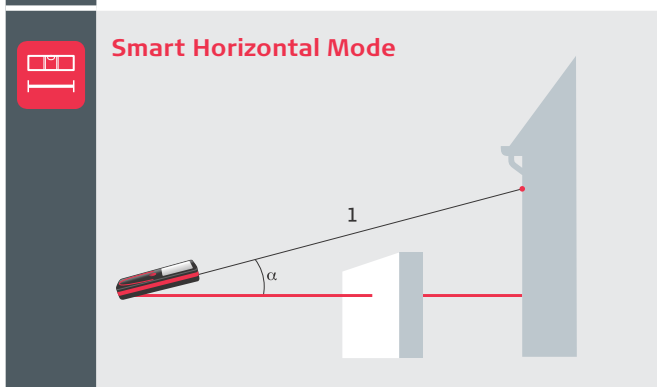
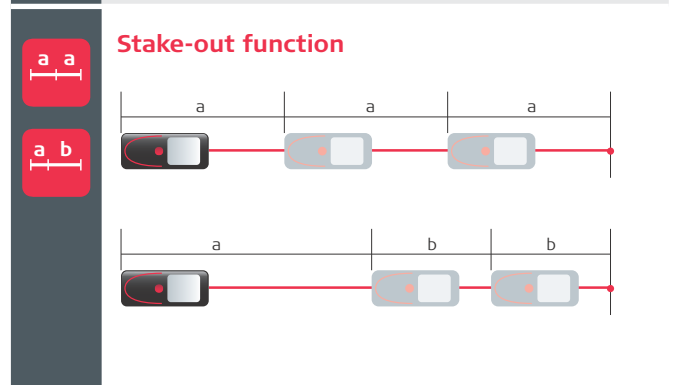
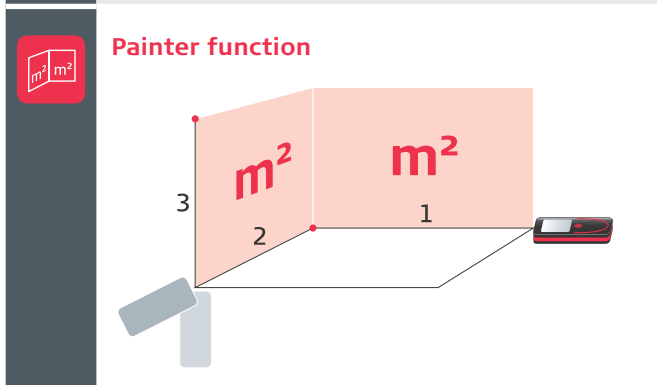
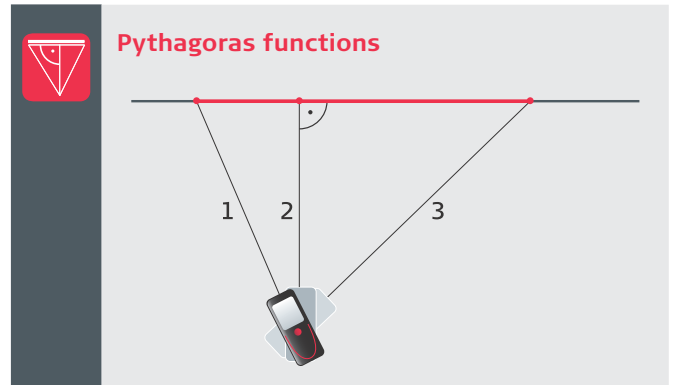
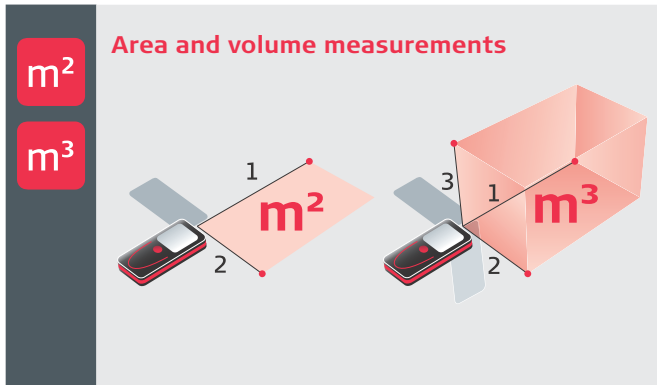
www.disto.com

Apps made for Leica DISTO™

Leica DISTO™ devices are supported by numerous apps which can be downloaded from the App Store or Google Play. Explore the different apps and discover the great opportunities your DISTO™ provides.



Any measurements are possible



Technical data

Technical data	X3
Art. No.	850833
Packaging solution Art. No.	
Typ. distance measuring accuracy	± 1.0 mm
Range	0.05 up to 150 m
Measuring units	m, ft, in
X-Range Power Technology	●
Distance in m Ø of the laser dot in mm	10, 50, 100 m 6, 30, 60 mm
Tilt sensor	●
Tilt sensor accuracy to the laser beam	± 0.2°
Tilt sensor accuracy to the housing	± 0.2°
Units in the tilt sensor	0.0°, 0.00 %
Smart Base measuring range Horizontal Vertical	360°* -64° to > 90°*
Distance in m Typ. tolerance of the P2P function	2, 5, 10 m* ± 2, 5, 10 mm*
Levelling range	± 5° *
Memory for last measurements	20
Display illumination	●
Free software for Windows	●
Free App for iOS and Android	●
Smart Room support	●
General data interface	Bluetooth® Smart
Data interface for 3D point data	Bluetooth® Smart*
Measurements per set of batteries	up to 4,000**
Service life of batteries	up to 8 h**
Multifunctional endpiece	●
Automatic reference detection for endpiece	●
Tripod thread	1/4"
Batteries	type AA 2 × 1.5 V
Protection class	IP 65
2 m drop tested	●
Dimensions	132 × 56 × 29 mm
Weight with batteries	184 g

For all devices  in accordance with IEC 60825-1