

# Leica DISTO™ X4

Designed for bright, outdoor environments



## Pointfinder camera

The DISTO™ X4 is equipped with a Pointfinder camera allowing you to easily target distant objects in bright sunlight. Even if the laser dot cannot be seen, the target appears clearly on the large colour display. The high-resolution screen ensures a crystal-clear image. Distance measurements are absolutely precise over long distances.



# Leica DST 360

Make your X-series into a P2P tool

## Point to Point Measuring (P2P)

The DST 360 is a great addition for your Leica DISTO™ X3 and X4. It will transform your handheld tool into a real station allowing you to measure distances between any 2 points. In combination with the Leica DISTO™ Plan app you can draw scaled plans which can be used in CAD tools.

## Metal design

The Leica DST 360 is made entirely out of metal. This ensures highest robustness and continuous precision.

## Precise aiming

Fine adjustment handles on the Leica DST 360 allow you to accurately aim at measurement points in seconds.

## Job site ready

The Leica DST 360 comes with a compact but sturdy tripod TRI 120. Both are stored in a very robust case (IP 67) with space for your Leica DISTO™ X3 or X4. This means all your equipment is stored safely in one place.

# Leica DISTO™ X4 at a glance

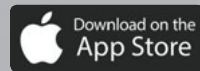
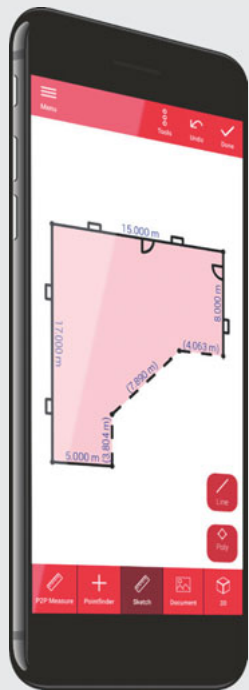


Applications		X4
<b>General important aspects</b>	Digital Pointfinder for outdoor measuring	●
	Max. range	150m
	Accuracy	± 1 mm
	P2P functionality	●*
	Extra durable housing with IP 65 and 2m drop tested	●
<b>Computer interface</b>	Interfaces	
	Data transfer to DISTO™ Plan and DISTO™ compatible apps	●
	Data transfer to any software or app	●
<b>Distances</b>	Distance measurement from device	●
	Dimensional measurements on objects	●
	Indirect distance measurement over obstacles	●
	P2P function – any distance between 2 points	●*
<b>Areas</b>	Rectangular shapes (length and width)	●
	P2P – Smart Area for complex shapes	●*
	Measure in picture – facades, vertical boards	
<b>Volume</b>	Rectangular shapes (length, width, height)	●
<b>Widths</b>	Using Pythagoras Theorem	●
	Measure in picture – width measurement	
	P2P function	●*
<b>Heights</b>	Smart functions using distance and inclination for calculation	●
	Height profile	
	P2P function	●*
<b>Slopes</b>	Inclinations	●
	Smart functions using distance and inclination for calculation	
	P2P function	●*
<b>Positioning</b>	Continuous measuring – tracking	●
	Stake-out	●
	Plumbing, transferring heights	
	Projection of pre-defined pattern or dxf data	
<b>Planing</b>	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	
<b>Usability</b>	Touchscreen	
	Favorite keys	●
	Automatic end piece	●

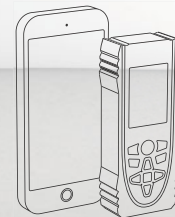
\*) requires Leica DST 360    \*\*) requires DISTO™ Plan    \*\*\*) requires Leica DST 360 and DISTO™ Plan

# 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 and X4 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

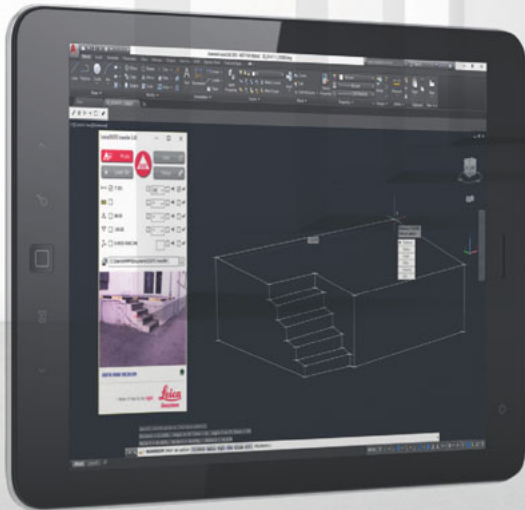
The Leica DISTO™ app supports P2P technology which makes it possible to create detailed floor or wall plans, including doors and windows. Once complete, simply export your plans as a dxf or dwg file into your preferred CAD solution.

### 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](http://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

**m<sup>2</sup>**  
**m<sup>3</sup>**

**Area and volume measurements**

**Sloped object measurement**

**Painter function**

**Height profile measurements**

**Smart Horizontal Mode**

**Pythagoras functions**

**Height tracking**

**Stake-out function**

**Measuring widths, heights and areas**

**Point to Point Measurement**

**Take pictures with the overview camera**

**Smart Area Measurement**

**Screen shots**

**Data capture in dxf files**

**Point data transfer**

# Technical data

Technical data	X4
Art. No.	855107
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° *
Pointfinder with zoom	4 ×
Additional overview camera	
Picture file format	
Memory for pictures	
CAD data format on device	
Memory for CAD files on device	
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
Charging time	
Protection class	IP 65
2 m drop tested	●
Dimensions	132 × 56 × 29 mm
Weight with batteries	188 g

For all devices  in accordance with IEC 60825-1