



Leica 3D Disto Distance Meter

Automatic As-Built Capture



Measure once, cut once.

No matter what you are doing with a 3D Disto, accuracy is paramount. Since form follows function, the 3D Disto is a cross between a surveyor's robotic total station and a handheld DISTO.

Like a robotic total station, the 3D Disto's horizontal and vertical turning axes are motorized -- get the laser point close to the right starting point manually, aim using the video feed by tapping your target on either the Control Unit tablet or a Windows tablet, then watch the 3D Disto micro-adjust until the laser point is in the crosshairs.

The laser gets the glory, but to measure to 1mm accuracy @ 10m the 3D Disto measures horizontal angle, vertical angle and a slope distance with angle sensors borrowed from our total stations -- technology Leica Geosystems has been refining for over 90 years.

Features

The Leica Geosystems 3D Disto is a unique tool for capturing and projecting accurate three-dimensional measurements. The speed and precision of the 3D Disto brings unprecedented efficiency to applications like:

Creating CAD templates

CNC is only good as your file. A 3D Disto is the bridge between reality and CAD. When you are cutting to fit and you know your original measurements are accurate, you can cut even the most expensive materials with confidence.

3D Visualization and Navigation

The upgraded Leica 3D Disto Software for smart devices using Windows® now displays results in three dimensions. With the 3D navigation, it is even easier to check measured points.

Capturing As-Built Measurements

The best way to eliminate surprises later in the job is to know what you are starting with. The 3D Disto accurately captures 3D coordinates with the precision you need for planning. If your work involves expensive materials that are difficult to cut, transport or are processed off-site, you know accurate "as-built" measurements are critical.

Building Information Modelling (BIM):

Take DXF data directly into your Windows tablet and use the 3D Disto to layout anchor points, transfer heights or verify critical construction locations.



Technical Specifications

Part Number	Description
Range	0.5 up to 50m
Measuring units	m, ft, in
X-Range Power Technology	yes
Distance in m	10, 30m
Ø of the laser dot in mm	7×7 mm, 9×15mm
Smart Base measuring range	
Horizontal	360°
Vertical	-80° to > 90°
Distance in m	10, 30, 50m
Typ. tolerance of the P2P function	± 1, 2, 4mm
Levelling range	± 3°
Pointfinder with zoom	x8
Picture file format	.jpg
Memory for pictures	Tablet
CAD data format on device	.dxf, .dwg
Memory for CAD files on device	Tablet
Display illumination	yes
Free software for Windows	Software included
General data interface	WLAN
Data interface for 3D point data	WLAN
Service life of batteries	up to 8h
Tripod thread	5/8"
Batteries	Li-Ion rechargeable
Charging time	7 h
Protection class	IP54
Dimensions	Ø 187 x 215.5mm
Weight with batteries	2.8 kg

Packing List

Package with Leica 3D Disto in Carry Case
Power Supply for 3D Disto
Ruler for offset points
GZM3 Target Plate
1 USB cable
Self-adhesive Target Marks
RM100 Remote Control
USB Stick
Safety Manual
Quick Start
Producer Certificate
Includes software license Leica 3D Disto software for Windows

