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.

Technical data

Technical data	D1	D110	D2	X3	X4
Art. No.	843418	808088	837031	850833	855107
Packaging solution Art. No.					
Typ. distance measuring accuracy	± 2.0 mm	± 1.5 mm	± 1.5 mm	± 1.0 mm	± 1.0 mm
Range	0.2 up to 40 m	0.2 up to 60 m	0.05 up to 100 m	0.05 up to 150 m	0.05 up to 150 m
Measuring units	m, ft, in	m, ft, in	m, ft, in	m, ft, in	m, ft, in
X-Range Power Technology	●	●	●	●	●
Distance in m Ø of the laser dot in mm	10 m 6 mm	10, 50 m 6, 30 mm"	10, 50, 100 m 6, 30, 60 mm	10, 50, 100 m 6, 30, 60 mm	10, 50, 100 m 6, 30, 60 mm
Tilt sensor				●	●
Tilt sensor accuracy to the laser beam				± 0.2°	± 0.2°
Tilt sensor accuracy to the housing				± 0.2°	± 0.2°
Units in the tilt sensor				0.0°, 0.00 %	0.0 °, 0.00 %
Smart Base measuring range Horizontal Vertical				360°* −64° to › 90°*	360°* −64° to › 90°*
Distance in m Typ. tolerance of the P2P function				2, 5, 10 m* ± 2, 5, 10 mm*	2, 5, 10 m* ± 2, 5, 10 mm*
Levelling range				± 5° *	± 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			10	20	20
Display illumination	●	●	●	●	●
Free software for Windows	●	●	●	●	●
Free App for iOS and Android	●	●	●	●	●
Smart Room support				●	●
General data interface	Bluetooth® Smart	Bluetooth® Smart	Bluetooth® Smart	Bluetooth® Smart	Bluetooth® Smart
Data interface for 3D point data				Bluetooth® Smart*	Bluetooth® Smart*
Measurements per set of batteries	up to 10,000**	up to 10,000**	up to 10,000**	up to 4,000**	up to 4,000**
Service life of batteries	up to 20 h**	up to 20 h**	up to 20 h**	up to 8 h**	up to 8 h**
Multifunctional endpiece			●	●	●
Automatic reference detection for endpiece			●	●	●
Tripod thread				1/4"	1/4"
Batteries	type AAA 2 × 1.5 V	type AAA 2 × 1.5 V	type AAA 2 × 1.5 V	type AA 2 × 1.5 V	type AA 2 × 1.5 V
Charging time					
Protection class	IP 54	IP 54	IP 54	IP 65	IP 65
2 m drop tested				●	●
Dimensions	115 × 43.5 × 23.5 mm	120 × 37 × 23 mm	116 × 44 × 26 mm	132 × 56 × 29 mm	132 × 56 × 29 mm
Weight with batteries	87 g	92 g	100 g	184 g	188 g

For all devices LASER 2 in accordance with IEC 60825-1