

Leica DISTO™ D110 Laser Distance Meter

Small size, big possibilities



The new Leica DISTO™ D110 is the first laser distance meter with Bluetooth® Smart that fits to a pocket. Its handy design with a pocket clip and simple functions make it a perfect tool for anyone who wants to take effortless measurements. Whether you need a quick material estimation or you work on a home improvement project, the Leica DISTO™ D110 with integrated Bluetooth® Smart and the free Leica DISTO™ sketch app offers you endless possibilities to create sketches, generate floor plans, document your measurements with pictures using a smartphone or a tablet.

Your benefits

- New handy shape and unmatched ease of use
- Extended functionality with built-in
- Bluetooth® Smart and Leica DISTO™ sketch app
- Ideal for quick distance and area measurements
- Removable pocket clip for easy carrying
- Leica Geosystems technology, quality and precision

Features

Compact shape and intuitive ease of use

The Leica DISTO™ D110 is the smallest and the lightest laser distance metre in the DISTO™ product range. Its ergonomic design guarantees that the device fits perfectly in a hand and is comfortable to use. The self-explanatory buttons allow quick and intuitive operation. Measuring has never been easier!

Bluetooth® Smart and Leica DISTO™ sketch app

The latest Leica DISTO™ sketch app is the ideal link between the Leica DISTO™ D110 and a smartphone or a tablet. Once connected to compatible devices, users can instantly start creating floor plans, sketches and photo-documentation with precise measurements.

Quick distance and area measurements

The Leica DISTO™ D110 is the perfect device to take effortless distance and area measurements. Whether an interior designer, painter or building contractor, the Leica DISTO™ D110 will make it easier to get the job done right.

Removable pocket clip

The removable pocket clip guarantees quick attachment, easy carrying and direct access to the Leica DISTO™ D110.

ISO Standard 16331-1 – The new benchmark for reliability

With an ISO-certified Leica DISTO™ D110 it is guaranteed that the accuracy and range mentioned on the package can be achieved on the construction site.



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Pocket clip for quick attachment, easy carrying, and direct access to the device.



Quick distance and area measurements bring productivity and convenience to daily work.



Dust and splash water protection ensures that DISTO™ D110 will even measure in the toughest jobsite conditions.



Free Leica DISTO™ sketch app for creating and sharing floor plans and photo documentation.

Technical Specifications

ISO 16331-1 certified typical measuring range	0.2 - 60m
ISO 16331-1 certified typical measuring accuracy	± 1.5 mm
Measuring Units	m, ft, in
Power Range Technology	Yes
Display Illumination	Yes
Free Sketch App	Yes
Data Interface	Bluetooth Smart V4.0
Measurements per set of batteries	Up to 5000
Batteries	Type AAA, 2 x1.5v
Protection class	IP54 - dust and splash protected
Dimensions (HxDxW)	120 x 37 x 23 mm
Weight with batteries	92g

Functions

Distance measuring	yes
Permanent measuring	yes
Area	yes
Beep	yes
Bluetooth® Smart	yes
Illuminated display	yes

Packing List

- Leica DISTO™ D110 laser distance meter
- Batteries



Which instrument is the right one for me?



Technical Data	D1	D110	D2	X310	D410	D510	D810 touch	S910
Distance measurement	40m	60m	100m	120m	150m	200m	200m	300m
Minimum/maximum measurements	-	-	Y	Y	Y	Y	Y	Y
Area / volume measurements	-	Area	Y	Y	Y	Y	Y	Y
Triangle/room angle function	-	-	-	Y	-	Y	Y	Y
Painter function	-	-	Y	Y	Y	Y	Y	Y
Trapezium function	-	-	-	-	-	Y	Y	Y
Pythagoras functions	-	-	Y	Y	Y	Y	Y	Y
Tilt measurement	-	-	-	360°	-	360°	360°	360°
Smart Horizontal Mode	-	-	-	Y	Y	Y	Y	Y
Sloped object measurement	-	-	-	-	-	Y	Y	Y
Height tracking	-	-	-	Y	-	Y	Y	Y
Height profile measurements	-	-	-	-	-	Y	Y	Y
Stake-out function	-	-	a/a	a/b	a/b	a/b	a/b	a/b
Subtraction/addition	-	-	Y	Y	Y	Y	Y	Y
Pointfinder with 4x zoom	-	-	-	-	Y	Y	Y	Y
Camera function	-	-	-	-	-	-	Y	Y
Measure with the picture	-	-	-	-	-	-	Y	Y
Timer	-	-	Y	Y	Y	Y	Y	Y
Personalised favourites	-	-	-	-	Y	Y	Y	Y
Touch screen	-	-	-	-	-	-	Y	Y
Compass	-	-	-	-	-	-	Y	Y
Point-to-Point measurements	-	-	-	-	-	-	-	Y
Smart angle measurement	-	-	-	-	-	-	-	Y
Smart area measurement	-	-	-	-	-	-	-	Y
DXF data capture	-	-	-	-	-	-	-	Y
WLAN data transmission	-	-	-	-	-	-	-	Y
Bluetooth Smart	Y	Y	Y	-	-	Y	Y	Y



Distance Meter Specifications



Technical Data

	D1	D110	D2	X310
Measuring Accuracy	± 2.0 mm	± 2.0 mm	± 1.5 mm	± 1.0 mm
Range (From about 80 m, use target plate)	0.2 to 40m	0.2 to 60m	0.2 to 100m	0.05 to 120m
Power Range Technology	-	-	-	Y
X-Range Power Technology	Y	Y	Y	-
Distance in m	10 m	10, 50 m	10, 50, 100 m	10, 50, 100 m
Diameter of laser dot in mm	6 mm	6, 30 mm	6, 30, 60 mm	6, 30, 60 mm
Tilt sensor - Measuring Range	-	-	-	360°
Tilt sensor - Accuracy to the laser beam	-	-	-	±0.2°
Tilt sensor - Accuracy to the housing	-	-	-	±0.3°
Units in tilt sensor	-	-	-	0.0°, 0.0%
Smart Base Measuring Range - Horizontal	-	-	-	-
Smart Base Measuring Range - Vertical	-	-	-	-
Distance in m	-	-	-	-
Typical Tolerance of the P2P function	-	-	-	-
Levelling range	-	-	-	-
Levelling accuracy	-	-	-	-
Pointfinder with 4x zoom	-	-	-	-
Overview camera	-	-	-	-
Picture file format	-	-	-	-
Memory	-	-	10 results	20 displays
Memory for pictures	-	-	-	-
CAD data format	-	-	-	-
Memory for CAD files	-	-	-	-
Time delay release (timer)	-	-	Y	Y
Display illumination	Y	Y	Y	Y
Free software for Windows	Y	Y	Y	-
Free App	IOS / Android	IOS / Android	IOS / Android	-
Data interface*	Bluetooth SMART	Bluetooth SMART	Bluetooth SMART	-
Measurements per set of batteries	up to 10,000	up to 10,000	up to 10,000	up to 5,000
Service life of battery	up to 20 hours	up to 20 hours	up to 20 hours	up to 10 hours
Multifunctional end-piece	-	-	Y	Y
Tripod thread	-	-	-	Y
Batteries	AAA 2x1.5V	AAA 2x1.5V	AAA 2x1.5V	AAA 2x1.5V
Charging time	-	-	-	-
Protection class	IP54	IP54	IP54	IP65
Dimensions	115x43.5x23.5mm	120x37x23mm	116x44x26mm	122x55x31mm
Weight with batteries	87g	92g	100g	155g





Technical Data

	D410	D510	D810 touch	S910
Measuring Accuracy	± 1.0 mm	± 1.0 mm	± 1.0 mm	± 1.0 mm
Range (From about 80 m, use target plate)	0.05 to 150m	0.05 to 200m	0.05 to 200m	0.05 to 300m
Power Range Technology	Y	Y	Y	
X-Range Power Technology				Y
Distance in m	10, 50, 100 m	10, 50, 100 m	10, 50, 100 m	10, 50, 100 m
Diameter of laser dot in mm	6, 30, 60 mm	6, 30, 60 mm	6, 30, 60 mm	6, 30, 60 mm
Tilt sensor - Measuring Range	-	360°	360°	360°
Tilt sensor - Accuracy to the laser beam	-	+0.2°	-0.1° / +0.2°	-0.1° / +0.2°
Tilt sensor - Accuracy to the housing	-	±0.2°	±0.1°	±0.1°
Units in tilt sensor	-	0.0°, 0.00%	0.0°, 0.00%	0.0°, 0.00%
Smart Base Measuring Range - Horizontal	-	-	-	360°
Smart Base Measuring Range - Vertical	-	-	-	-40° to 80°
Distance in m	-	-	-	2, 5, 10m
Typical Tolerance of the P2P function	-	-	-	2, 5, 10mm
Levelling range	-	-	-	±5°
Levelling accuracy	-	-	-	±0.05°
Pointfinder with 4x zoom	Y	Y	Y	Y
Overview camera	-	-	Y	Y
Picture file format	-	-	.jpg	.jpg
Memory	30 displays	30 displays	30 displays	50 displays
Memory for pictures	-	-	80 Photos	80 Photos
CAD data format	-	-	-	.dxf
Memory for CAD files	-	-	-	20 files, 30 points ea
Time delay release (timer)	Y	Y	Y	Y
Display illumination	Y	Y	Y	Y
Free software for Windows	-	-	Y	Y
Free App	-	IOS / Android	IOS / Android	IOS / Android
Data interface*	-	Bluetooth SMART	Bluetooth SMART	Bluetooth SMART, WLAN
Measurements per set of batteries	up to 5,000	up to 5,000	up to 4,000	up to 4,000
Service life of battery	up to 10 hours	up to 10 hours	up to 8 hours	up to 8 hours
Multifunctional end-piece	Y	Y	Y	-
Tripod thread	Y	Y	Y	Smart Base
Batteries	AA 2x1.5V	AA 2x1.5V	Li-ion rechargeable	Li-ion rechargeable
Charging time	-	-	4h	4h
Protection class	IP65	IP65	IP54	IP54
Dimensions	143x58x29mm	143x58x29mm	164x61x31mm	164x61x32mm
Weight with batteries	198g	198g	238g	290g

