

Leica DISTO™ X310

The original laser distance meter



- when it has to be **right**

Leica
Geosystems

Leica DISTO™

3 Years
Warranty

if registered within 8 weeks after
purchase at www.disto.com

+982165565901

+982144584619

+989034119385

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Technical Data

Distance measurement	
Typical Measuring Tolerance*	± 1.0 mm / 0.04 in ***
Maximum Measuring Tolerance**	± 2.0 mm / 0.08 in ***
Range at Leica target plate GZM26	100 m / 330 ft
Typical Range*	80 m / 262 ft
Range at unfavourable condition ****	60 m / 197 ft
Smallest unit displayed	0.1 mm / 1/32 in
Power Range Technology™	yes
Ø laser point at distances	6 / 30 / 60 mm (10 / 50 / 100 m)
Tilt measurement	
Measuring tolerance to laser beam*****	± 0.2°
Measuring tolerance to housing*****	± 0.2°
Range	360°
General	
Laser class	2
Laser type	635 nm, < 1 mW
Protection class	IP65 (dust tight and jet water protected)
Autom. laser switch off	after 90 s
Autom. power switch-off	after 180 s
Battery durability (2 x AAA)	up to 5000 measurements
Dimension (H x D x W)	122 x 55 x 31 mm 4.80 x 2.17 x 1.22 in
Weight (with batteries)	155 g / 4.98 oz
Temperature range:	
- Storage	-25 to 70 °C -13 to 158 °F
- Operation	-10 to 50 °C 14 to 122 °F


* applies for 100 % target reflectivity (white painted wall), low background illumination, 25 °C

** applies for 10 to 500 % target reflectivity, high background illumination, - 10 °C to + 50 °C

*** Tolerances apply from 0.05 m to 10 m with a confidence level of 95%. The maximum tolerance may deteriorate to 0.1 mm/m between 10 m to 30 m and to 0.15 mm/m for distances above 30 m

**** applies for 100 % target reflectivity, background illumination between 10'000 lux and 30'000 lux

***** after user calibration. Additional angle related deviation of +/- 0.01° per degree up to +/-45° in each quadrant. Applies at room temperature. For the whole operating temperature range the maximum deviation increases by +/- 0.1°.

 For accurate indirect results, the use of a tripod is recommended. For accurate tilt measurements a transverse tilt should be avoided.

Functions	
Distance measuring	yes
Min/Max measuring	yes
Permanent measuring	yes
Stake-out	yes
Addition/Subtraction	yes
Area	yes
Triangle area	yes
Volume	yes
Painter function (area with partial measurem.)	yes
Pythagoras	3-point, partial height
Smart Horizontal Mode / Indirect height	yes
Height tracking	yes
Memory	20 displays
Beep	yes
Illuminated display	yes
Multifunctional endpiece	yes

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