

Product Data Sheet

Leica DISTO™ D810 touch

Features



- Range up to 250 m
- ± 1.0 mm accuracy, 0.1 mm resolution
- X-Range Power Technology
- Measuring in pictures
- Precise liquid inclination sensor
- Bright and clear 3.2" touchscreen
- Li-Ion rechargeable batteries
- USB charging and download of pictures and screenshots
- Bluetooth® Technology for error-free data transfer
- Works with DISTO™ Plan App (iOS and Android) and DISTO™ transfer (Windows)
- Keyboard simulating data-transfer via Bluetooth®

Technical data

	Leica DISTO™ D810 touch
Accuracy with favourable conditions *	1.0 mm / 0.04 in ***
Accuracy with unfavourable conditions **	2.0 mm / 0.08 in ***
Range with favourable conditions *	0.05 - 250m / 0.16 - 820ft ***
Range with unfavourable conditions **	0.05 - 120m / 0.16 - 394ft ***
Smallest unit displayed	0.1 mm / 1/32 in
X-Range Power Technology	yes
Laser	Class 2, 635 nm, <1 mW
Digital Pointfinder with 4x zoom and overview camera	yes
Tilt measuring range ****	360°
Tilt measuring tolerance	± 0.1°
∅ laser point at distances	6 / 30 / 60 mm 10 / 50 / 100 m
Protection class	IP54 (dust- and splash water protected)
Auto. laser switch off after	90 s
Auto. power switch off after	180 s
Bluetooth® Smart	Bluetooth® v4.0
Range of Bluetooth® Smart	up to 10 m
Battery durability (Li-Ion 2600 mAh)	up to 4'000 measurements up to 8 hours operation time
Dimension (H x D x W)	164 x 61 x 31 mm 6.5 x 2.4 x 1.2 in
Weight (with batteries)	238 g / 8.4 oz
Temperature range storage operation	-25 to 60°C / -13 to 140°F -10 to 50°C / 14 to 122°F

* favourable conditions: white and diffuse reflecting target (white painted wall), low background illumination and moderate temperatures.

** unfavourable conditions: targets with lower or higher reflectivity or high background illumination or temperatures at the upper or lower end of the specified temperature range.

*** Tolerances apply from 0.05 m to 5 m with a confidence level of 95%. Above 5 m the tolerance may deteriorate according to the values given in the manual of the unit.

**** after user calibration. Additional angle related deviation are according to the values given in the manual of the unit.

Functions

Distance measuring	Painter function (area with partial meas.)	Memory
Min/Max measuring	Pythagoras (2-point, 3-point, partial)	Bluetooth® Smart (incl. keyboard mode)
Permanent measuring	Smart Horizontal Mode / indirect height tracking	Personalized favourites
Stake out	Profile measuring	Timer
Addition / subtraction	Trapezoid measurement	Beep
Area	Sloped objects	Illuminated colour display
Triangle area / room angle	Level	Automatic multifunctional endpiece
Volume	Screenshots (80)	Compass (orientation only)
Calculator	Camera (800 x 600)	
Measure in picture (width, diameter, area)		

Scope of Delivery



Leica DISTO™ D810 touch

Art. No. 792297

Art. No. 799097 for U.S.

Leica DISTO™ D810 touch, pouch, hand loop, USB charger, Calibration Certificate Silver, quick start guide



Leica DISTO™ D810 touch Case

Art. No. 806648

Leica DISTO™ D810 touch, pouch, hand loop, USB charger, TRI 70 tripod, FTA 360 adapter, hard case, Calibration Certificate Silver, quick start guide

Accessory

TRI 100 universal tripod

FTA 360 aiming adapter with fine drive

TA 360 aiming adapter metal

LSA 360-S pole adapter

GZM 26 target plate for long distances

GZM 30 set-up target plate 274 x 197 mm

TPD 100 kit – targeting pole

Art. No. 757938

Art. No. 799301

Art. No. 778359

Art. No. 838704

Art. No. 723385

Art. No. 766560

Art. No. 6012352

Extended Warranty

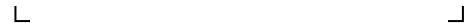


Register your product within 8 weeks of purchase at www.disto.com/warranty and benefit from our 3-year warranty, respectively 2-years warranty on Li-Ion batteries.

Dealer Stamp



in accordance with IEC 60825-1



Illustrations, descriptions and technical specifications are subject to change without prior notice. (V 1.0)
Copyright© Leica Geosystems AG, Heerbrugg, Switzerland, 2022.

Leica Geosystems AG
Heerbrugg, Switzerland
www.leica-geosystems.com

- when it has to be **right**

Leica
Geosystems