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Leica DISTO[™] S910 805080

Introduction



The safety instructions and the user manual should be read through carefully before the product is used for the first time.

The person responsible for the product must ensure that all users understand these directions and adhere to them.

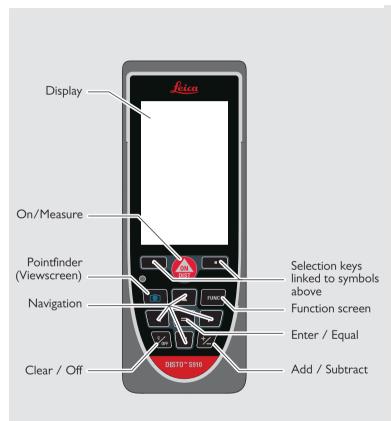
The symbols used have the following meanings:

Indicates a potentially hazardous situation or an unintended use which, if not avoided, will result in death or serious injury.

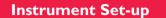
Indicates a potentially hazardous situation or an unintended use which, if not avoided, may result in minor injury and/or appreciable material, financial and environmental damage.

Important paragraphs which must be adhered to in practice as they enable the product to be used in a technically correct and efficient manner.

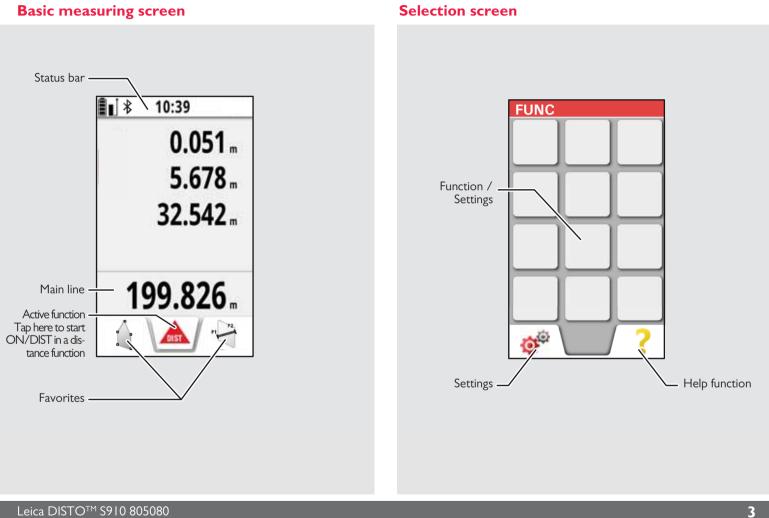
Overview



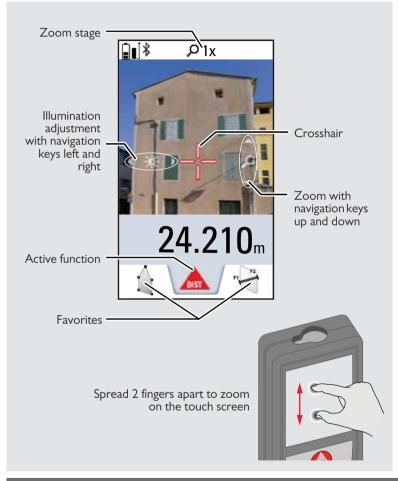
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Pointfinder (Viewscreen)



Icons on Status bar

—				
•	Scroll up and down for further results			
	Battery power			
*	Bluetooth [®] is switched on			
*	Bluetooth® connection established			
0	Device is not leveled			
۲	Device is leveled			
Δ	Offset is activated and subtracts the defined value from measured distance			
$\Delta^{\!$	Offset is activated and adds the defined value from measured distance			
8	Device is measuring			
((:-	DISTO WiFi hotspot activated			
((+	Other device connected to DISTO WiFi hotspot			
S	WiFi client mode activated			
S	DISTO connected as client to WiFi			
Q	Zoom			
I	Measuring reference			

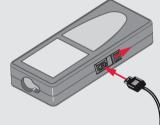
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Charging the Li-Ion battery via USB

Charge the battery before using it for the first time. Use the provided cable to charge the battery.

Plug the small end of the cable into the port of the device, and plug the end of the charger into an electrical socket. Select the appropriate connector for your country. The device cannot be used while it is charging.

The computer can also be used to charge the device, but this takes more time. If the device is connected to the computer via USB cable, you can download or delete the gallery. **It is not possible** to upload any data.



Charging Fully charged 4h

When you charge the battery, the following icons show the status:

Charge batteries when battery symbol is flashing.

While charging, the device may heat up. This is normal and should not affect the device's lifespan or performance. If the battery gets hotter than 40°C / 104°F, the charger stops. At a recommended storage temperature of -20°C to +30°C

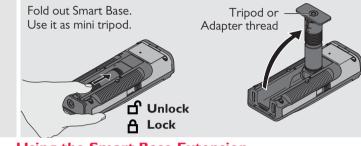
be stored up to I year. After this storage period the batteries

Connecting the charger improperly may cause serious damage to the device. Any damage caused by misuse is not covered by the warranty. Use only Leica-approved chargers, batteries, and cables. Unapproved chargers or cables can cause the battery to explode or damage the device.

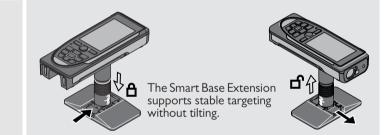
If the device is connected to the computer via USB cable, you can download or delete the gallery. It is not possible to upload any data.

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Using the Smart Base



Using the Smart Base Extension



Do not move or tilt the Smartbase during measuring.

We recommend to use a tripod with the Leica FTA360-S adapter.

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Operations

Using the Touch Screen

- Use only fingers to use the touch screen. Do not allow the touch screen to come into contact with other electrical devices.
- Electrostatic discharges can cause the touch screen to malfunction. Do not allow the touch screen to contact water. The touch screen may malfunction in humid conditions or when exposed to water. To avoid damaging the touch screen, do not tap it with anything sharp or do not apply excessive pressure to it with your fingertips.

Tapping

1

Dragging



Tap on the display to open an onscreen button or to make a selection. Tapping on the icon in the middle of the bottom line activates the distance measurement or triggers the camera.



Drag on the display to move to prior or to next screen in the galerie function.

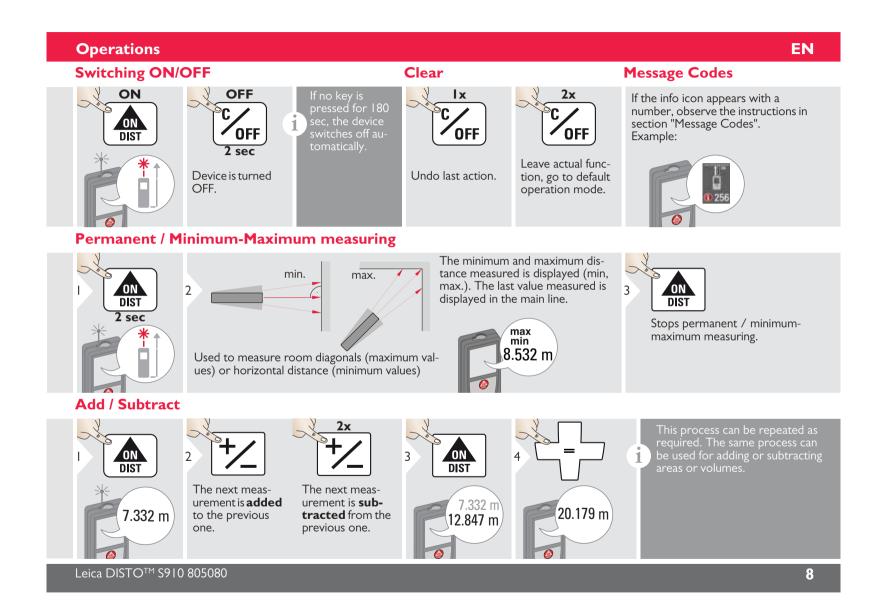
Pinching



Spread 2 fingers apart to zoom if pointfinder is activated.

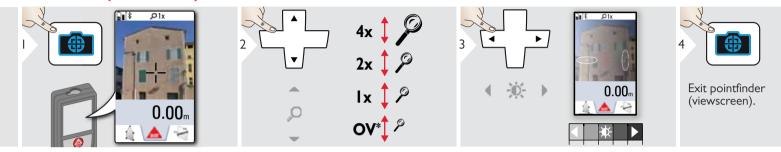
Instead of using the touch screen, the normal keypad buttons can be used also.

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Operations

Pointfinder (Viewscreen)



This is a great help for outdoor measuring. The integrated pointfinder (viewscreen) shows the target on the display. The device measures in the middle of the cross hair, even if the laser dot is not visible.

Parallax errors occur when the pointfinder camera is used on close targets, with the effect that the laser appears displaced in the crosshair. In this case rely on the real laser dot.

* OV = Overview

EN

Screenshot

i

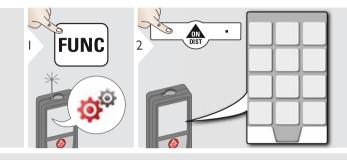


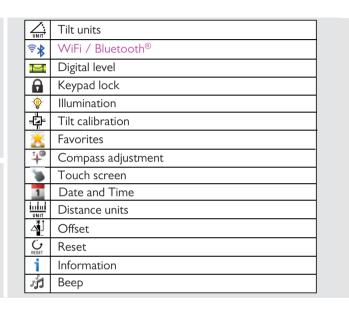
Screenshot photo is saved in gallery.

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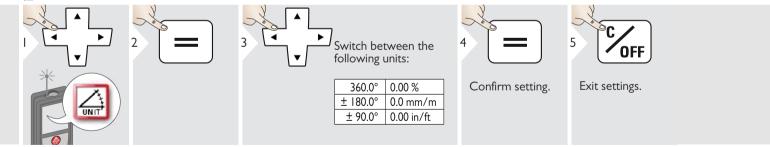
9

Overview





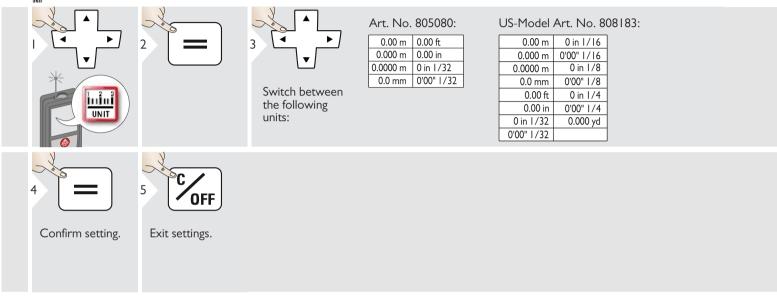
Tilt units

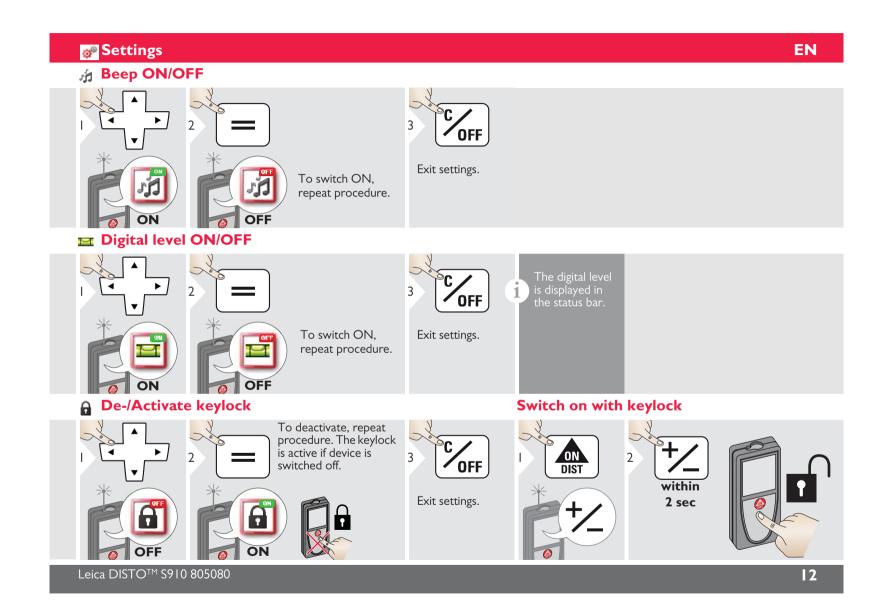


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💣 Settings

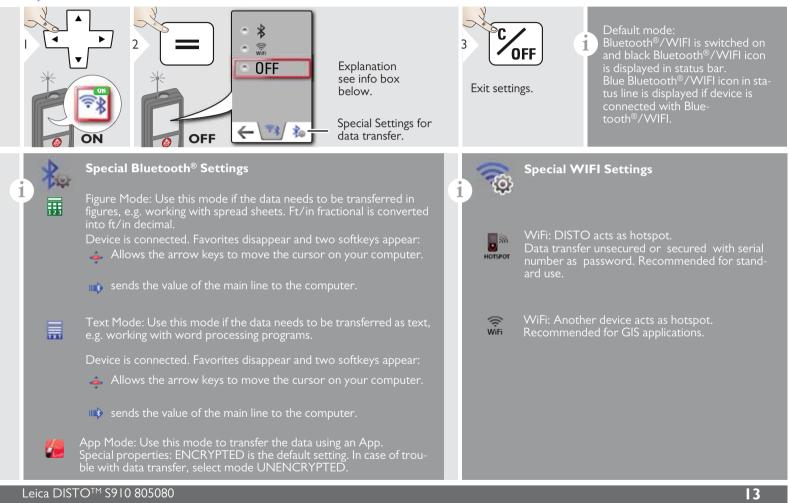
Distance units





💣 Settings

🖘 Bluetooth® /WIFI



1

Bluetooth[®] data transfer

Connect the device with your smart phone, tablet, laptop,... The actual measurement is transferred automatically if Bluetooth[®] connection is established. To transfer a result from the main line, press =. Bluetooth[®] switches off as soon as the laser distance meter is switched off.

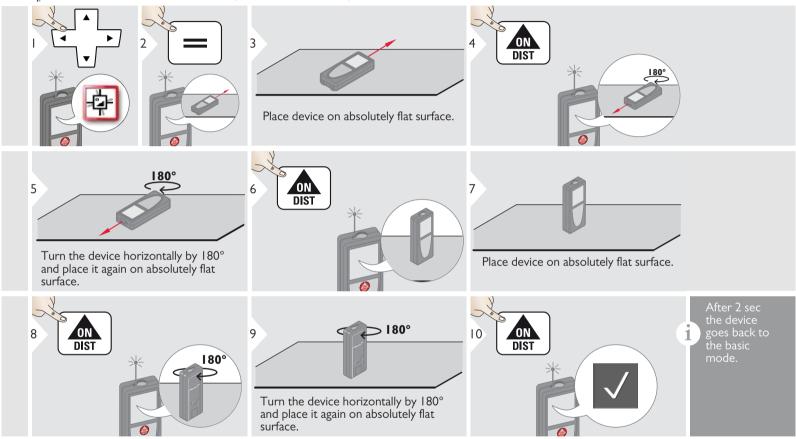
The efficient and innovative Bluetooth[®] Smart module (with the new Bluetooth[®] standard V4.0) works together with all Bluetooth[®] Smart Ready devices. All other Bluetooth[®] devices do not support the energy saving Bluetooth[®] Smart Module, which is integrated in the device.

We provide no warranty for free DISTO[™] software and offer no support for it. We accept no liability whatsoever arising from the use of the free software and we are not obliged to provide corrections nor to develop upgrades. A wide range of commercial software can be found on our homepage. Apps for Android[®] or Mac iOS can be found in special internet shops. For more details, see our homepage.



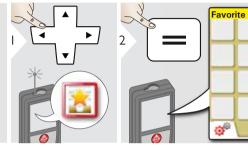


Calibration of tilt sensor (Tilt Calibration)



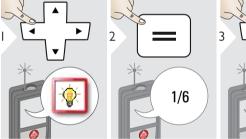
Leica DISTO[™] S910 805080

Personalized favorites





ъ.





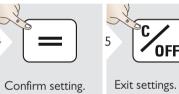
3

T

Select favorite

function.

Select brightness.



DIST

Press selection

key left or right. Function is set as

favorite above the

corresponding se-lection key.

1

4

4

OFF

power re-duce bright-

Touch Screen ON/OFF To deactivate, repeat 5 procedure. 2 3 ÓFF ¥ Exit settings. ON OF Leica DISTO[™] S910 805080

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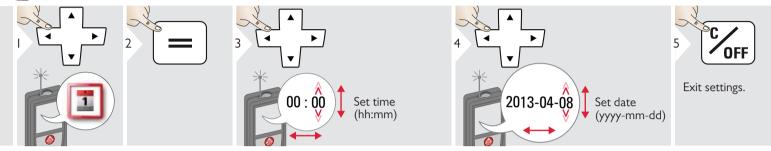
16

💣 Settings

i

EN

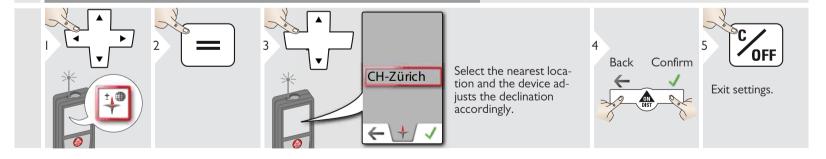
Date and Time

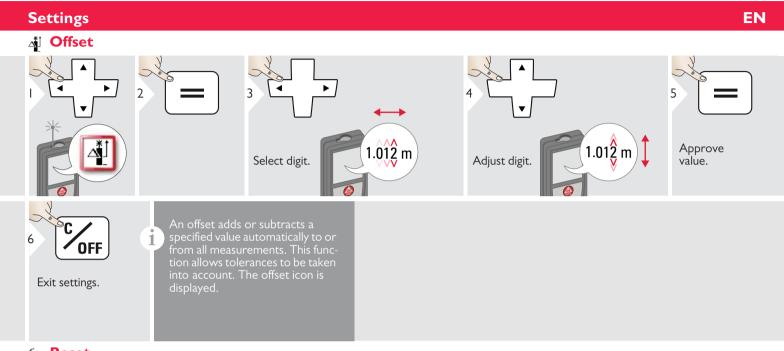


Compass Adjustment

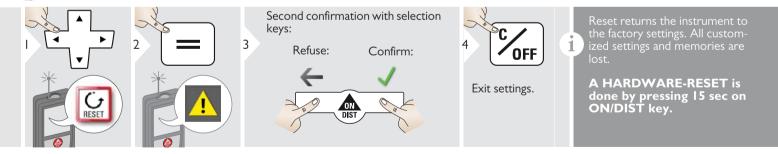
Adjusting the magnetic declination

Depending on your geographic location, the angle of declination may vary from other locations, as the geographic and magnetic poles are aligned. However, if the reference location is not selected, the difference in declination between the poles can differ greatly. For best results, select the nearest geographic reference point using the steps below.



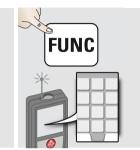


C Reset



Functions

Overview



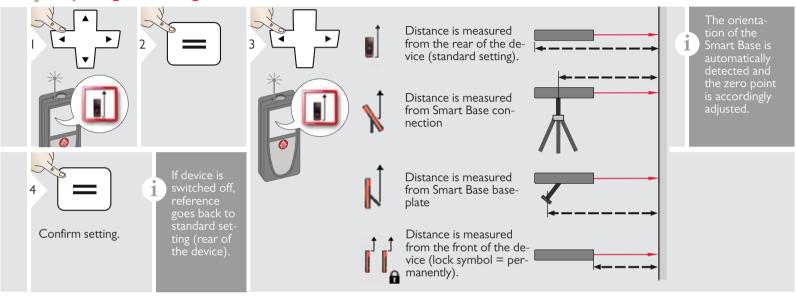
۲	Timer	Px Px	Height Trac
	Pointdata transmission		Smart Horiz
2 A3	Smart Angle	A	Measuring o
125.5m 2993.5m 3672.3m 7672.3m	Memory		Pythagoras
DIST	Sinlge Distance Measurement		Volume
$\vec{\Lambda}_{\vec{z}}$	Point to point function / distance		Stake out
0	Level		Calculator
\diamond	Area		Gallery
	Smart Area measuring function		Width
	Photo		Diameter
+	Compass	P ₂ P ₂	Height-prof
1	Data capture in DXF-file		Trapezium
∭ j	Adjusting measuring reference	Y	Pythagoras (
\square	Triangle Area		Area from F

P. C	
-R	Height Tracking
	Smart Horizontal Mode
and a	Measuring on sloped objects
	Pythagoras (2-point)
	Volume
a b b	Stake out
	Calculator
	Gallery
a đ	Width
	Diameter
Po Px	Height-profile Measurement
	Trapezium
V	Pythagoras (3-point)
Ť.	Area from Photo

O Timer

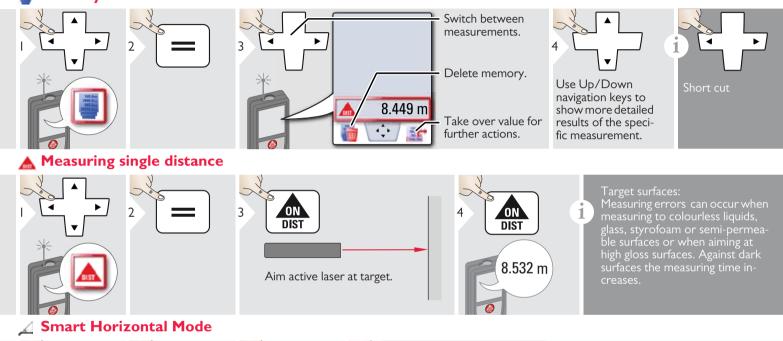


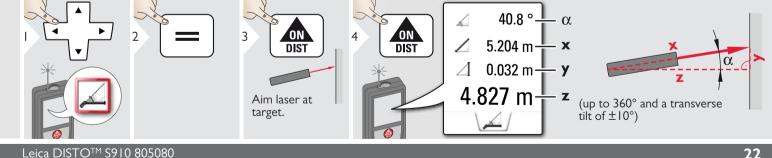
Adjusting measuring reference



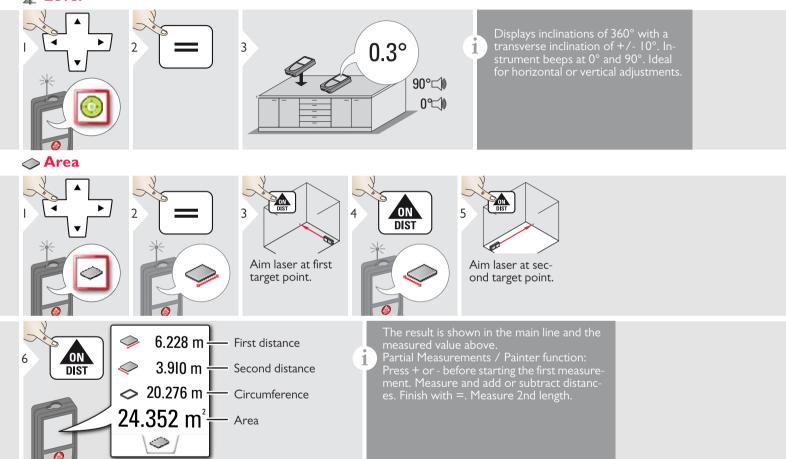
EN

Memory



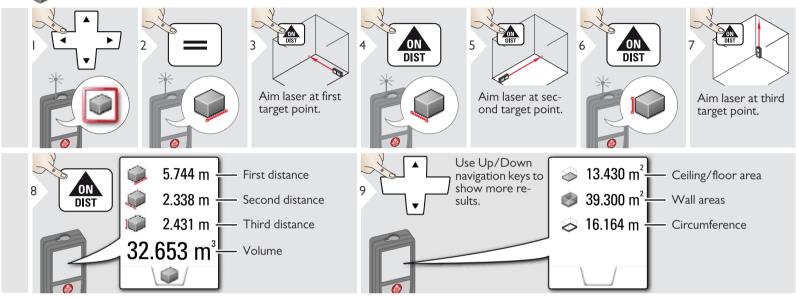


🔬 Level

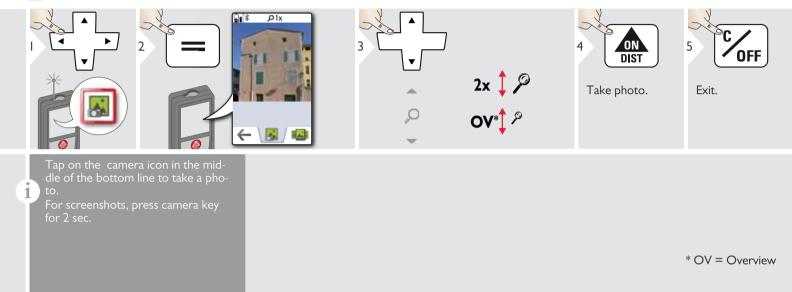


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Volume

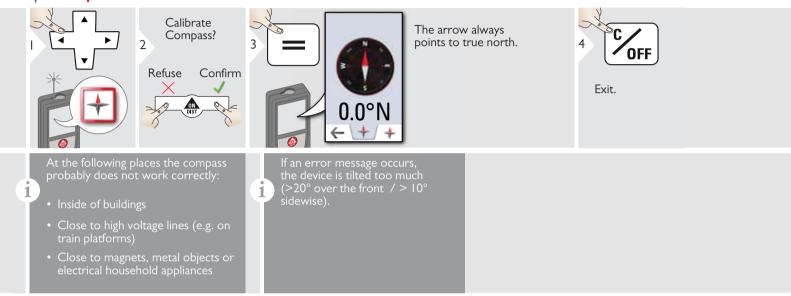


🖸 Photo

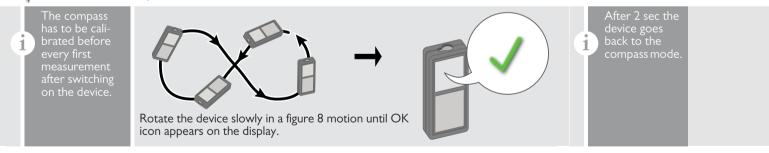


EN

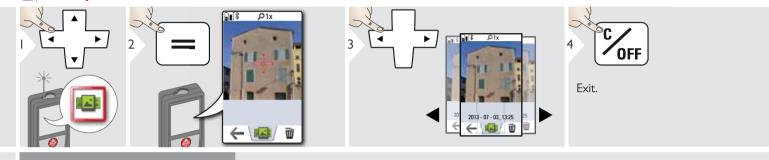
+ Compass



Lalibration of Compass:

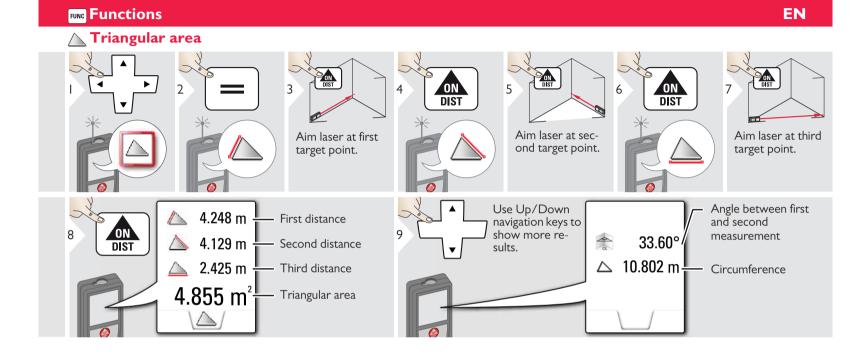


Gallery

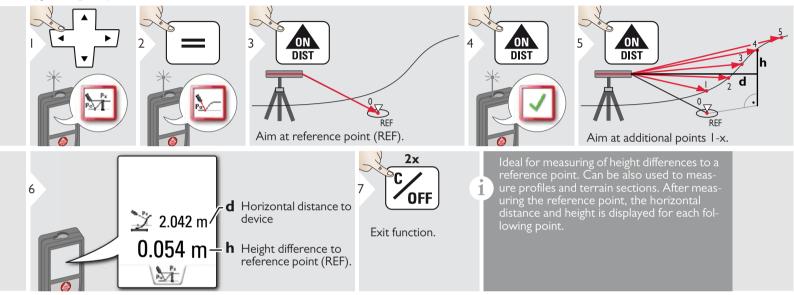


If the device is connected to the computer via USB cable, you can download or delete the gallery. It is not possible to upload any data.

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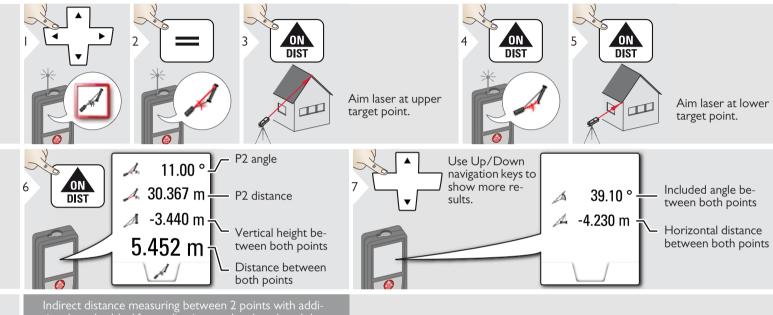


Height-profile measurement



EN

Sloped objects



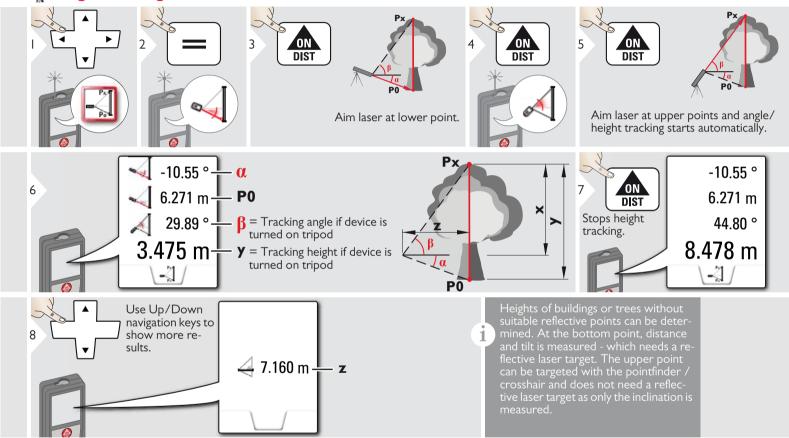
Indirect distance measuring between 2 points with additional results. Ideal for applications such as length and slope of roof, height of chimneys,...

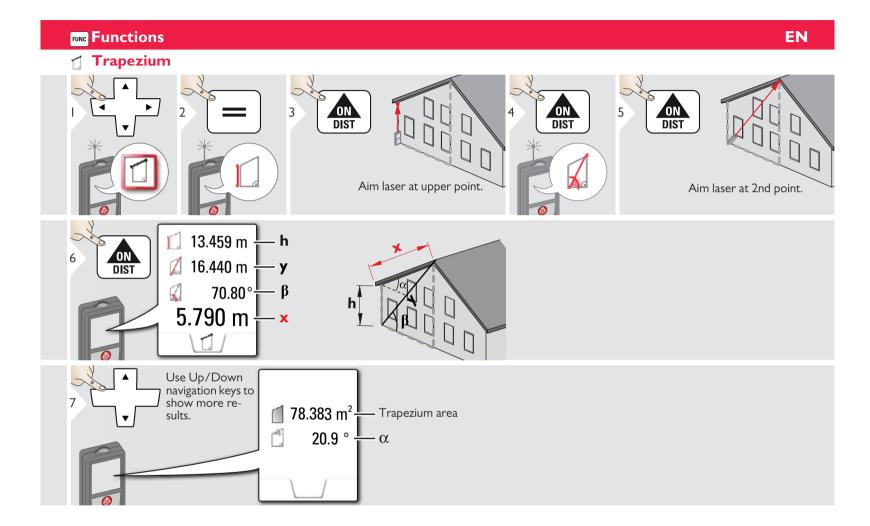
It is important, that the instrument is positioned in the same vertical plane as the 2 measured points. The plane is defined of the line between the 2 points. This means, that the device on the tripod is only moved vertically and not turned horizontally to reach both points.

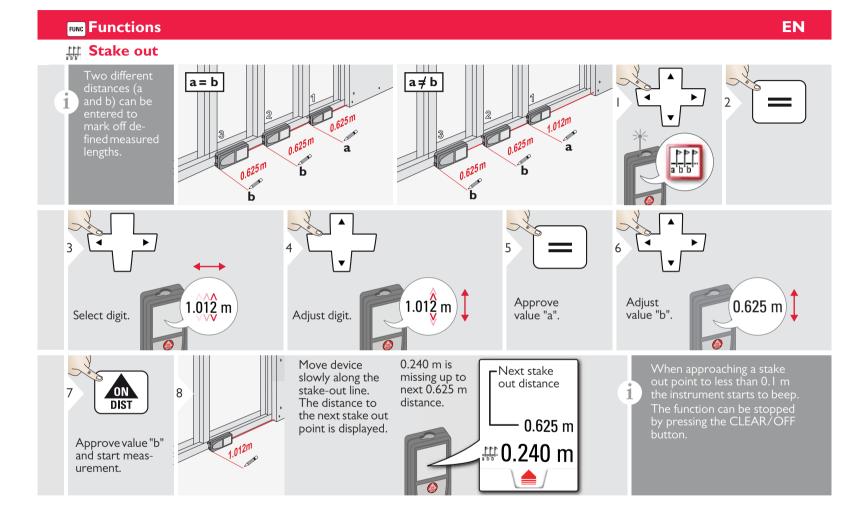
Leica DISTO[™] S910 805080

i

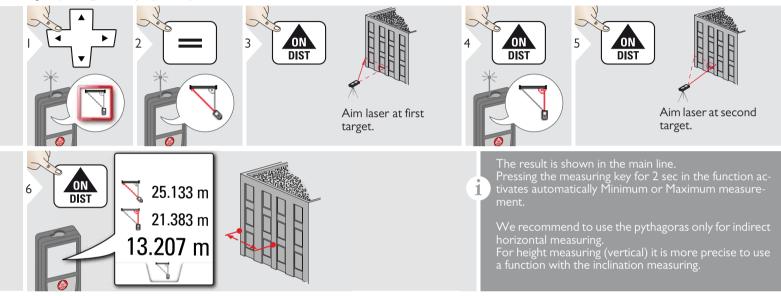
Height tracking





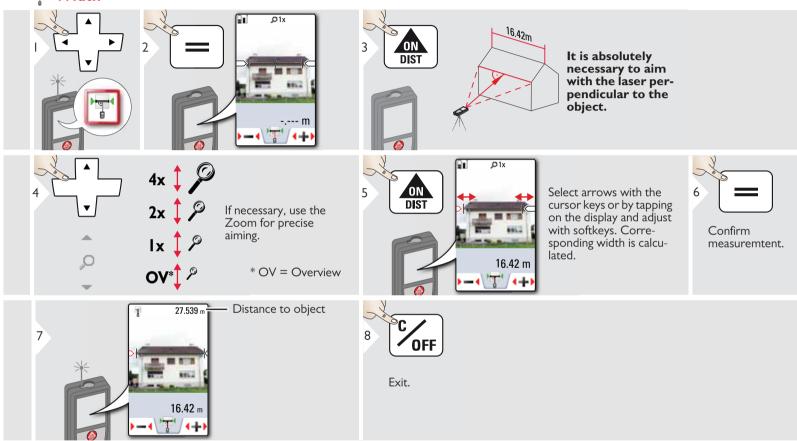


Pythagoras (2-point)



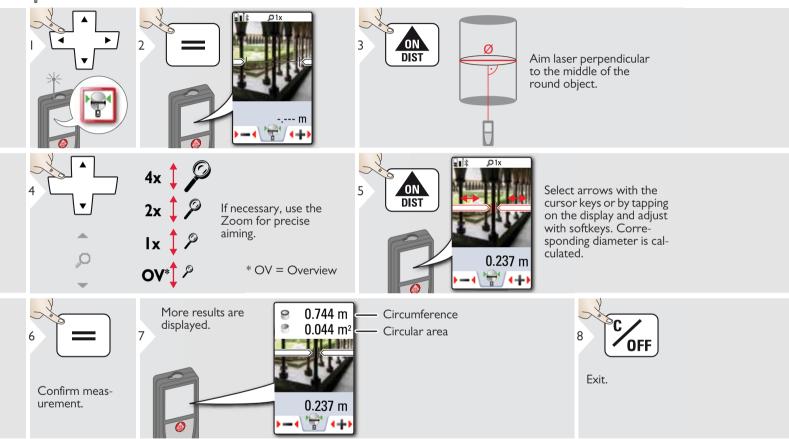
EN **FUNC Functions Pythagoras (3-point)** $\overline{)}$ 5 ON 3 ON 2 6 DIST DIST ▼ Aim laser at first target. Aim laser at sec-Aim laser at ond target. third target. 24.298 m) Pressing the measuring key for 2 sec in the function activates automatically Minimum or Maximum meas-8 ON DIST 21.264 m 23.018 m Y rect horizontal measuring. For height measuring (vertical) it is more precise to use a function with inclination measurement. 20.571 m Y

🐙 Width



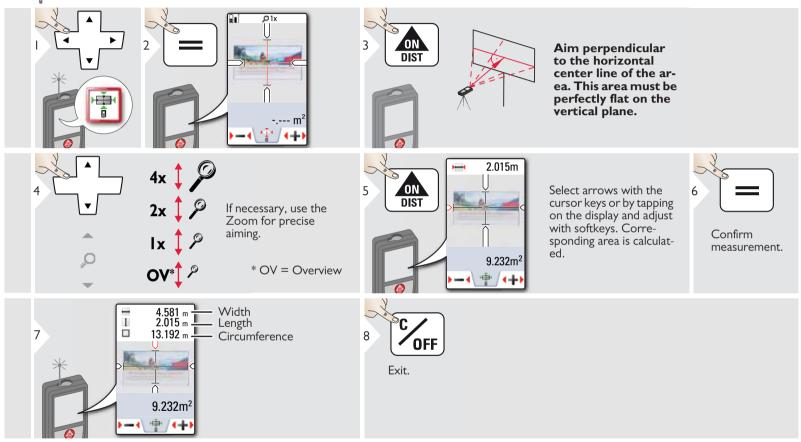
FUNC Functions

Piameter



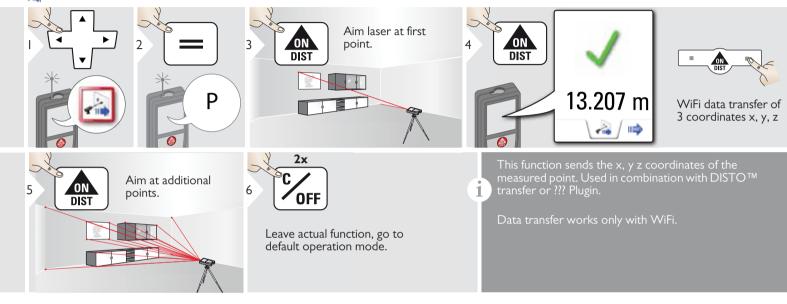
FUNC Functions

🛉 Area from Photo



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Functions Pointdata transmission



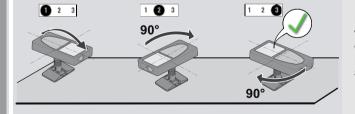
🚳 Levelling

1

Level the device to get more accurate measuring data.

Do not move device after leveling.

For leveling, Smart Base has to be folded out and device needs to be in an inclination range of +/-5°.



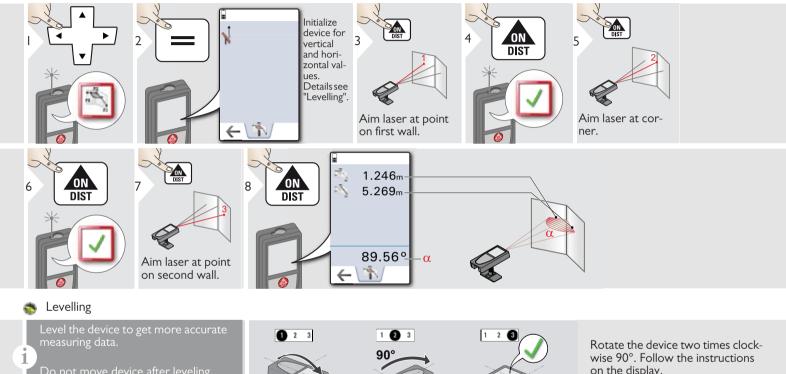
Rotate the device two times clockwise 90°. Follow the instructions on the display. Levelling is finished when OK icon appears on the display.

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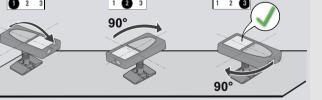
39

Functions

Smart Angle measuring



For leveling, Smart Base has to be folded out and device needs to be in an inclination range of +/-5°.



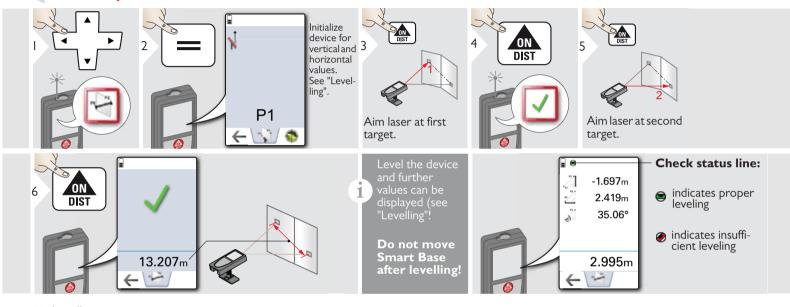
on the display. Levelling is finished when OK icon appears on the display.

Leica DISTO[™] S910 805080

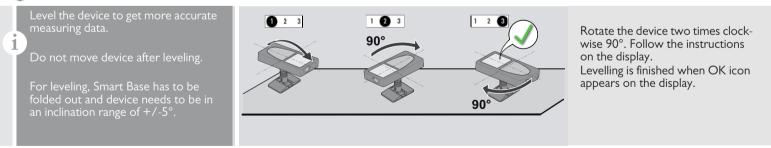
40

FUNC Functions

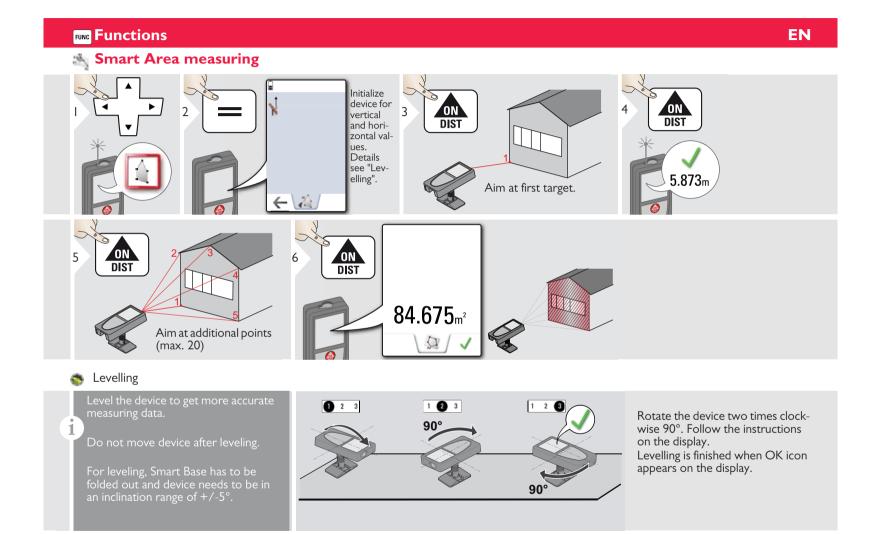
Point to point function / distance



🚳 Levelling

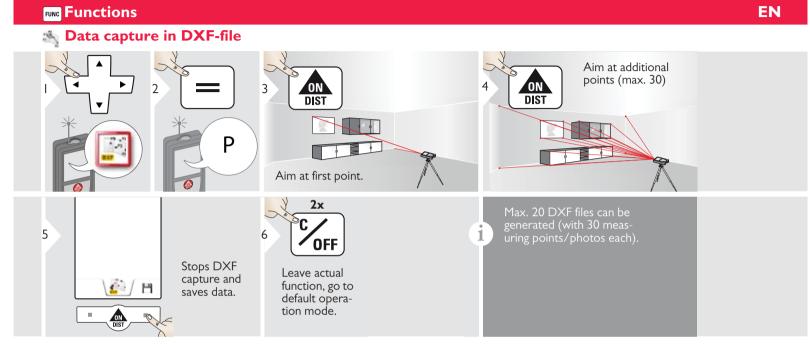


Leica DISTO[™] S910 805080

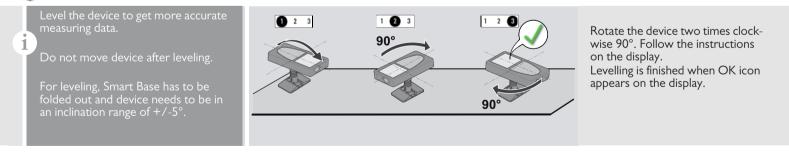


Leica DISTO[™] S910 805080

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s Levelling



Leica DISTO[™] S910 805080

Technical Data

Distance measurement	(ISO 163331-1)
Accuracy with favourable conditions*	± 1.0 mm / 0.04 in ***
Accuracy with unfavourable conditions**	± 3.0 mm / 0.12 in ***
Range with favourable condi- tions*	0.05m - 300 m / 0.16 - 984 ft
Range with unfavourable condition**	0.05m - 150m (0.16 – 492 ft)****
Smallest unit displayed	0.1 mm / 1/32 in
X-Range Power Technology [™]	yes
Ø laser point at distances	6 /30 / 60 mm (10 / 50 / 100 m)
Tilt measurement	_
Measuring tolerance to laser beam****	-0.1° / +0.2°
Measuring tolerance to housing****	± 0.1°
Range	360°
Smart Base Working range vertical sensor	-40° to 80°
Tolerance vertical sensor	up to +/- 0.1°
Working range horizontal sensor	360°
Tolerance Horizontal Sensor	up to +/- 0.1°
Tolerance P2P function at distances (combination of sensors and distance meas- uring)	approx.: +/-2 mm /2 m +/-5 mm /5 m +/-10 mm /10 m
Device levelling	_
Device levelling	+/- 5°
Levelling range	±1-0

+/- 0.05°

General	
Laser class	2
Laser type	635 nm, < 1 mW
Protection class	IP54 (dust- and splash water protected)
Autom. laser switch off	after 90 s
Autom. power switch-off	after 180 s
Bluethooth [®] Smart	Bluethooth v4.0
Range of Bluethooth [®]	<10 m
WiFi	yes
Range of WiFi	10 m
Dimension (H x D x W)	61 x 32 x 164 mm 2.4 x 1.3 x 6.5 in
Weight	291 g / oz
Temperature range: - Storage - Operation - Charging	-25 to 60 °C -13 to 140 °F -10 to 50 °C 14 to 122 °F -10 to 40 °C 14 to 104 °F
Photos / Screenshots	
Resolution for photos	800 x 600 dpi
Resolution for screenshots	240 x 400 dpi

 Resolution for screenshots
 240 x 400 dpi

 File format
 JPG

 Download of gallery
 USB

Battery (Li-Ion)	
Rated voltage	3.7 V
Capacity	2.6 Ah
Measurements per battery charge	Approx. 4000
Charging time	Approx. 4 h
Output voltage	5.0 V
Charging current	ΙA

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

** unfavourable conditions are: 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 10 m with a confidence level of 95%. With favourable conditions the tolerance may deteriorate by 0.05 mm/m for distances between 10 m to 30 m, by 0.10 mm/m between 30 m and 100 m and by 0.20 mm/m for distances above 100 m.

With unfavourable conditions the tolerance may deteriorate by 0.10 mm/m for distances between 10 m to 30 m, by 0.20 mm/m between 30 m and 100 m and by 0.30 mm/m for distances above 100 m.

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

At a recommended storage temperature of -20° C to $+30^{\circ}$ C (-4° F to $+86^{\circ}$ F), batteries containing a 50% to 100% charge can be stored up to 1 year. After this storage period the batteries must be recharged.

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

Leica DISTO[™] S910 805080

Levelling accuracy

Functions	
Distance measuring	yes
Min/Max measuring	yes
Permanent measuring	yes
Stake-out	yes
Addition/Subtraction	yes
Area	yes
Triangle area	yes
Volume	yes
Trapezium	yes
Painter function (area with partial measurem.)	yes
Pythagoras	2-point, 3-point
Smart Horizontal Mode / Indirect height	yes
Height-profile measurement	yes
Level	yes
Sloped objects	yes
Height tracking	yes
Memory	yes
Веер	yes
Illuminated colour display	yes
Pointfinder (Viewscreen)	4x zoom, OV
Bluetooth [®] Smart	yes
Personalized Favorites	yes
Timer	yes
Calculator	yes
Photo/Screenshot	yes
Compass	yes
Gallery with USB download	yes
Diameter	yes
Width	yes
Area from Photo	yes
Smart Base	yes
Pointdata transmission	yes
Point to point function /distance	yes
Smart Angle	yes
Smart Area	yes
DXF Data capture	yes

Message Codes

If the message **Error** does not disappear after switching on the device repeatedly, contact the dealer.

If the message **InFo** appears with a number, press the Clear button and observe the following instructions:

No.	Cause	Correction
156	Transverse tilt greater than 10°	Hold the instrument without any transverse tilt.
162	Calibration mistake	Make sure, the device is placed on a absolutely hori- zontal and flat surface. Repeat the calibration procedure. If the mistake still occurs, contact your dealer.
204	Calculation error	Perform measurement again.
240	Data transfer error	Repeat procedure.
252	Temperature too high	Let device cool down.
253	Temperature too low	Warm device up.
255	Received signal too weak, measuring time too long	Change target surface (e.g. white paper).
256	Received signal too high	Change target surface (e.g. white paper).

No. Cause Correction 258 Measurement outside Correct range. of measuring range 260 Repeat measurement. Laser beam interrupted 300 Smart Base not folded Fold out Smart Base out 301 Device was moved, Proceed leveling again leveling not valid any more 302 «Point data transmis- Switch on WiFi sion» is selected, but WiFi is off WiFi: Data transfer 340 Repeat procedure error 341 Authentication Error Use correct password

Care

- Clean the device with a damp, soft cloth.
- Never immerse the device in water.
- Never use aggressive cleaning agents or solvents.

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Warranty

Warranty under PROTECT by Leica Geosystems

Lifetime Manufacturer's Warranty

Warranty coverage for the entire usage time of the product under PROTECT according to Leica Geosystems International Limited Warranty and PROTECT General Terms & Conditions set out under www.leica-geosystems.com/protect. Free of charge repair or replacement of all products or any parts under PROTECT that suffer defects as a result of faults in materials or workmanship.

3 Years No Cost

Additional services should the product under PROTECT become defective and require servicing under normal conditions of use, as described in the user manual, at no additional charge.

To receive the "3 years No Cost" period, the product under PROTECT must be registered at http://myworld.leica-geosystems.com within 8 weeks of the purchase date. If the product under PROTECT is not registered, a "2 years No Cost" period applies.

Garantie unter PROTECT by Leica Geosystems

Lebenslange Herstellergarantie

Gewährleistungsrechte während der gesamten Nutzungszeit des Produkts unter PROTECT gemäß Leica Geosystems' Internationaler Herstellergarantie und den Allgemeinen Geschäftsbedingungen für PROTECT, nachzulesen unter www.leicageosystems.com/protect. Kostenlose Reparatur oder Austausch aller defekter Produkte aufgrund von Material- oder Verarbeitungsfehlern.

3 Jahre keine Zusatzkosten

Zusätzliche Services, ohne Zusatzkosten, falls beim Produkt unter normaler Benutzung, wie in der Bedienungsanleitung beschrieben, ein Defekt auftritt und bestimmte Serviceleistungen notwendig werden.

Für die "3 Jahre ohne Zusatzkosten" muss das Produkt auf unserer Website http://myworld.leica-geosystems.com binnen acht Wochen nach Kaufdatum registriert werden. Für das nicht registrierte Produkte unter PROTECT gilt ein Zeitraum von "2 Jahren ohne Zusatzkosten".

Safety Instructions

EN

The person responsible for the instrument must ensure that all users understand these directions and adhere to them.

Areas of responsibility

Responsibilities of the manufacturer of the original equipment:

Leica Geosystems AG

Heinrich-Wild-Strasse

CH-9435 Heerbrugg

Internet: www.disto.com

The company above is responsible for supplying the product, including the User Manual in a completely safe condition.

The company above is not responsible for third party accessories.

Responsibilities of the person in charge of the instrument:

- To understand the safety instructions on the product and the instructions in the User Manual.
- To be familiar with local safety regulations relating to accident prevention.
- Always prevent access to the product by unauthorised personnel.

- Measuring distances
- Tilt measurement
- Data transfer with Bluetooth[®] and WIFI

Prohibited use

- Using the product without instruction
- Using outside the stated limits
- · Deactivation of safety systems and removal of explanatory and hazard labels
- Opening of the equipment by using tools (screwdrivers, etc.)
- · Carrying out modification or conversion of the product
- Use of accessories from other manufacturers without express approval
- Deliberate dazzling of third parties; also in the dark
- Inadequate safeguards at the surveying site (e.g. when measuring on roads, construction sites, etc.)
- Deliberate or irresponsible behaviour on scaffolding, when using ladders, when measuring near machines which are running or near parts of machines or installations which are unprotected
- Aiming directly in the sun

Watch out for erroneous measurements if the instrument is defective or if it has been dropped or has been misused or modified. Carry out periodic test measurements.

Particularly after the instrument has been subject to abnormal use, and before, during and after important measurements.

Never attempt to repair the product yourself. In case of damage, contact a local dealer.

Changes or modifications not expressly approved could void the user's authority to operate the equipment.

Limits of use

Refer to section "Technical data".

The device is designed for use in areas permanently habitable by humans. Do not use the product in explosion hazardous areas or in aggressive environments.

Disposal

Flat batteries must not be disposed of with household waste. Care for the environment and take them to the collection points provided in accordance with national or local regulations.

The product must not be disposed with household waste.

Dispose of the product appropriately in accordance with the national regulations in force in your country.



Adhere to the national and country specific regulations.

Product specific treatment and waste management can be downloaded from our homepage.

Electromagnetic Compatibility (EMC)

The device conforms to the most stringent requirements of the relevant standards and regulations.

Yet, the possibility of causing interference in other devices cannot be totally excluded.

FCC statement (applicable in U.S.)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- this device must accept any interference received, including interference that may cause undesired operation.

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

- This device may not cause interference and
- this device must accept any interference, including interference that may cause undesired operation of the device.

Déclaration FCC, applicable aux Etats-Unis

Ce produit a été testé et ses limites ont été jugées conformes à celles prescrites pour les dispositifs numériques de classe B, décrites dans le paragraphe 15 des règles FCC. Ces limites ont pour but de fournir une protection raisonnable contre des interférences nocives dans une installation résidentielle. Les appareils de ce type génèrent, utilisent et peuvent rayonner de hautes fréquences. Ils sont de ce fait susceptibles de perturber la réception radiophonique en cas d'installation non conforme aux instructions.

Même en cas de respect des instructions, l'absence d'interférences dans une installation particulière ne peut cependant être garantie. Si cet instrument perturbe la réception radiophonique ou télévisuelle, ce que l'on constate en éteignant puis en rallumant l'instrument, l'utilisateur peut tenter de corriger ces interférences en appliquant les mesures suivantes :

- Réorienter ou repositionner l'antenne de réception.
- Augmenter la distance entre l'instrument et le récepteur.
- Connecter l'instrument à un autre circuit que celui du récepteur.
- Consulter le revendeur ou un technicien expérimenté dans le domaine radio/TV.

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Cet appareil est conforme à la section 15 des règlements FCC. Son fonctionnement est soumis aux deux conditions suivantes :

- cet appareil ne doit pas causer d'interférences nuisibles, et
- cet appareil doit accepter toute autre interférence reçue, y compris les interférences pouvant entraîner un fonctionnement non désiré.

Ce dispositif est conforme à la norme RSS-210 d'Industrie Canada. L'utilisation est sujette aux deux conditions suivantes :

- ce dispositif ne pas doit pas être la source d'interférences nuisibles, et
- ce dispositif doit accepter toutes les interférences, y compris les interférences pouvant induire des opérations non souhaitées.

Normativa FCC (aplicable en EE UU)

Las pruebas efectuadas han puesto de manifiesto que este equipo se atiene a los valores límite, determinados en la sección 15 de la normativa FCC, para instrumentos digitales de la clase B. Esto significa que el instrumento puede emplearse en las proximidades de lugares habitados, sin que su radiación resulte molesta. Los equipos de este tipo generan, utilizan y emiten una frecuencia de radio alta y, en caso de no ser instalados conforme a las instrucciones, pueden causar perturbaciones en la recepción radiofónica.

En todo caso, no es posible excluir la posibilidad de que se produzcan perturbaciones en determinadas instalaciones.

Si este equipo causa perturbaciones en la recepción radiofónica o televisiva, lo que puede determinarse al apagar y volver a encender el equipo, el operador puede intentar corregir estas interferencias de la forma siguiente:

- cambiando la orientación o la ubicación de la antena receptora.
- aumentando la distancia entre el instrumento y el receptor.
- conectando el instrumento a un circuito distinto al del receptor.
- asesorándose por el vendedor o algún técnico de radio-televisión.

Use of the product with Bluetooth[®]

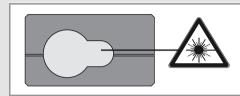
Electromagnetic radiation can cause disturbances in other equipment, in installations (e.g. medical ones such as pacemakers or hearing aids) and in aircraft. It can also affect humans and animals.

Precautions:

Athough this product conforms to the most stringent standards and regulations, the possibility of harm to people and animals cannot totally excluded.

- Do not use the product near petrol stations, chemical plants, in areas with a potentially explosive atmosphere and where blasting takes place.
- Do not use the product near medical equipment.
- Do not use the product in airplanes.
- Do not use the product near your body for extended periods.

Laser classification



The device produces visible laser beams, which are emitted from the instrument: It is a Class 2 laser product in accordance with:

• IEC60825-1 : 2014 "Radiation safety of laser products"

Laser Class 2 products:

Do not stare into the laser beam or direct it towards other people unnecessarily. Eye protection is normally afforded by aversion responses including the blink reflex.

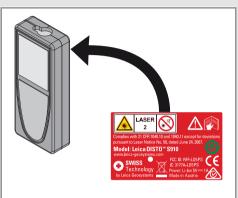
WARNING

Looking directly into the beam with optical aids (e.g. binoculars, telescopes) can be hazardous.

Looking into the laser beam may be hazardous to the eyes.

Description	Value
Wavelength	620 - 690 nm
Maximum radiant output power for classification	0.95 mW
Pulse repetition frequency	320 MHz
Pulse duration	> 400 ps
Beam divergence	0.16 x 0.6 mrad

Labelling



Subject to change (drawings, descriptions and technical data) without prior notice.