

GeoDist® 30

USER MANUAL



Dear Customer,

Thank you for your confidence in us, having purchased a geo-Fennel instrument.

For the optimum performance of the instrument, please read this manual carefully and keep it in a convenient place for future reference. This manual contains important safety information that should be read and understood before use.

Technical specification and design are subject to change without notification.

geo-FENNEL
Precision by tradition.

Contents

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SUPPLIED WITH

A

- Laser distance meter GeoDist® 30
- Batteries
- Holster
- User manual

FEATURES

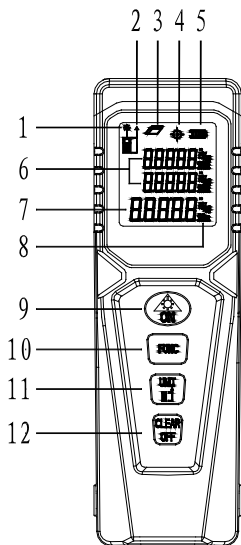
- Area / volume
- Point of reference: front, rear
- Illuminated display
- Automatic power-off
- Units: mm, ft, inch
- Acoustic signal confirming the measurement

Technical data

Accuracy (typical)*	±2 mm
Measuring distance (inner)*	0,05 - 30 m
Laser class	2
Dust / water protection	IP 54
Dimensions	122 x 38 x 26 mm
Temperature range	0 - +40°C
Power supply	2 x AAA Alkaline batteries
Weight (w/o batteries)	95 g

* In case of unfavourable conditions (i. e. reflecting surface or intense sunlight) the measuring distance can shorten and / or the accuracy can diverge.

B FEATURES



1. Laser „ON“ symbol
2. Measurement reference symbol
3. Area / volume symbol
4. Receiving signal indication
5. Battery status indication
6. Previous measurements
7. Main measurement
8. Unit symbol
9. Power ON / measuring button
10. Function button
11. Measurement reference / unit button
12. Cancel / power OFF button

POWER SUPPLY

C

INSERTING AND REPLACING THE BATTERIES

Power off the device, open the battery compartment cover and insert 2 x AAA Alkaline batteries (ensure correct polarity). Close the cover.

OPERATION

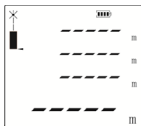
D

POWER ON / OFF



Press (briefly) to power on the device and activate the laser. The default settings are: Single measurement, measurement reference rear.

Measuring unit: the unit set last.



Display indication immediately after power on.

CLR OFF

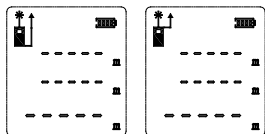
Press and hold to power off the device.

To maximise battery life the device will power off after 3 minutes inactivity.

MEASUREMENT REFERENCE



Press button (11) to change the measurement reference between front / rear.



Display indication

Reference rear: *(left)*

Reference front: *(right)*

SELECT UNITS



Press and hold in succession to select the required measuring unit: mm, ft, in.

DISPLAY ILLUMINATION

After powering on the unit the display is illuminated automatically; if the instrument is not in use for 10 sec. the illumination will automatically power off.

MEASURING

When measuring in bright sunshine or to a reflective surface, it is recommended to use a target plate.

MEASURING A SINGLE DISTANCE

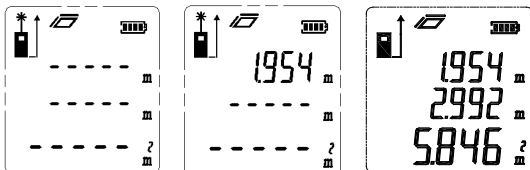
Power on the device, aim the laser point at the target and press the measuring button (9). The measured distance is displayed in the main measurement line (7).



When the next measurement is carried out the previous measurement will move up into the previous measurement line.

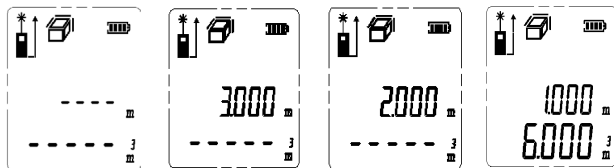
AREA MEASUREMENT

Press button (10) briefly to access the area measurement function. Aim the laser at the first target (i. e. length) and press the measuring button (9) briefly. Aim the laser at the second target (i. e. width) and press the measuring button (9) once again. The instrument will now automatically calculate and display the area.



VOLUME MEASUREMENT

Keep button (10) pressed twice to enter into the volume measurement function. Aim the laser at the first target (i. e. length) and press the measuring button (9) briefly. Aim the laser at the second target (i. e. width) and press the measuring button (9) once again briefly. Aim the laser at the third target (i. e. height) and press the measuring button (9) briefly. The instrument will now automatically calculate and display the volume.




CLEAR

CLR
OFF

Press the button (briefly) to clear the last procedure.

MESSAGE CODES

INDICATION	ERROR	SOLUTION
	Received signal too weak / too strong; measuring time too long	Change the target surface
E-007	Too much background light	Shadow the target area
E-008	Temperature too high	Cool the device down
E-009	Temperature too low	Warm the device up
E-006	Calculation error	Repeat the measurement; if necessary contact your dealer

E SAFETY NOTES

INTENDED USE OF INSTRUMENT

The instrument emits a visible laser beam in order to carry out the following measuring tasks: Measurement of distances.

CARE AND CLEANING

Handle measuring instruments with care. Clean with soft cloth only after any use. If necessary damp the cloth with some water. If the instrument is wet clean and dry it carefully. Pack it up only if it is perfectly dry. Transport in original container / case only.

SPECIFIC REASONS FOR ERRONEOUS MEASURING RESULTS

Measurements through glass or plastic windows; dirty laser emitting windows; after the instrument has been dropped or hit. Please check the accuracy.

Large fluctuation of temperature: If the instrument will be used in cold areas after it has been stored in warm areas (or the other way round) please wait some minutes before carrying out measurements.

ELECTROMAGNETIC ACCEPTABILITY (EMC)

It cannot be completely excluded that this instrument will disturb other instruments (e.g. navigation systems); will be disturbed by other instruments (e.g. intensive electromagnetic radiation nearby industrial facilities or radio transmitters).

CE-CONFORMITY

This instrument has the CE mark according to EN 61010-1:2010.

WARRANTY

This product is warranted by the manufacturer to the original purchaser to be free from defects in material and workmanship under normal use for a period of two (2) years from the date of purchase. During the warranty period, and upon proof of purchase, the product will be repaired or replaced (with the same or similar model at manufacturers option), without charge for either parts or labour. In case of a defect please contact the dealer where you originally purchased this product. The warranty will not apply to this product if it has been misused, abused or altered. Without limiting the foregoing, leakage of the battery, bending or dropping the unit are presumed to be defects resulting from misuse or abuse.

SAFETY INSTRUCTIONS

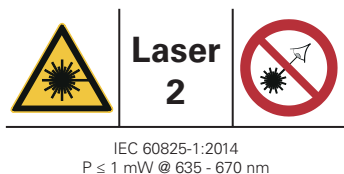
- Follow up the instructions given in the user manual.
- Do not stare into the beam. The laser beam can lead to eye injury. A direct look into the beam (even from greater distance) can cause damage to your eyes.
- Do not aim the laser beam at persons or animals.
- The laser plane should be set up above the eye level of persons.
- Use the instrument for measuring jobs only.
- Do not open the instrument housing. Repairs should be carried out by authorized workshops only. Please contact your local dealer.
- Do not remove warning labels or safety instructions.
- Keep the instrument away from children.
- Do not use the instrument in explosive environment.
- The user manual must always be kept with the instrument.

LASER CLASSIFICATION

The instrument is a laser class 2 laser product according to DIN IEC 60825-1:2014.

It is allowed to use the unit without further safety precautions. The eye protection is normally secured by aversion responses and the blink reflex.

The laser instrument is marked with class 2 warning labels.



EXCEPTIONS FROM RESPONSIBILITY

1. The user of this product is expected to follow the instructions given in the user manual. Although all instruments left our warehouse in perfect condition and adjustment the user is expected to carry out periodic checks of the product's accuracy and general performance.
2. The manufacturer, or its representatives, assumes no responsibility of results of a faulty or intentional usage or misuse including any direct, indirect, consequential damage, and loss of profits.
3. The manufacturer, or its representatives, assumes no responsibility for consequential damage, and loss of profits by any disaster (earthquake, storm, flood etc.), fire, accident, or an act of a third party and/or a usage in other than usual conditions.
4. The manufacturer, or its representatives, assumes no responsibility for any damage, and loss of profits due to a change of data, loss of data and interruption of business etc., caused by using the product or an unusable product.
5. The manufacturer, or its representatives, assumes no responsibility for any damage, and loss of profits caused by usage other than explained in the user manual.
6. The manufacturer, or its representatives, assumes no responsibility for damage caused by wrong movement or action due to connecting with other products.

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Technische Änderungen vorbehalten.
All instruments subject to technical changes.
Sous réserve de modifications techniques.



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